agagacaaat gactcgctga gcaagctgat ggcgcactgt gcgcatgcat gaatggaaga 240

ttctcttcta gattcttgca actcgctaag cgaactgagt gcctcgctta gcanatggta 300

ctcgctaaac gcatatgcct cgcttacaag acaccaactg cttcaacctt ctcttcttct 360

catgctttgg cctatactga gt 382

<210> 15458
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15458

tcggtaccaa ctaanataac aaatatcata ctagaagtgg tgttgaatag tgtattagat 60

aaaaatgaaa ttnttttcgc aagttgtttt tctcanaaca tatatgcaaa aaccaagtta 120

ctgatagtat ctccaatgat taaaaccagt tttgatggga aaaaaaacat ttatgtccag 180

tgaatgataa aacaaatttt ttaaaaaggt ttttcaaaac aacacttatg tgaaaaagtg 240

tgtcatgata agtttaagaa agtactaatc aaatagctaa agagataagt ggaaacgatt 300

agtttatact ggttcgctta aacatagcta cgtctagttc tccttgacan accagtgaag 360

agtccactaa tcgaagcttg gttacaaaca agaatttgac tgctgtcttg ctacaa 416

<210> 15459
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15459

agcttcggtt gttcaatttc gagcgtctcg atatattatg tgcctgaatc ggacatccaa 60

gtgaaaagtt atgatcattt gaatatctca agagcttcca ttgttgaatt tcgaacgtct 120

cgatatatta tgcgcctgaa tcggacatcc gagtgaaaag ttatgaccat ttgaattgct 180

gaagatcttt cattgttcaa tttcgaacgt ctcgaaatat tatgcgcctg aatcggacat 240

ccgaagttaa agtatgacca tntgaattgt cgacagctt 279

<210> 15460
<211> 400

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15460

ntcgagaaat tcanatggtc ataacttttc acacggaggt ctgattcagg cacataatat 60

attgagacgc tcgaaattga acaacggaag ctctcgagaa attcgaaagg tcataacttt 120

taactcggat gtctgattca agcgcataat atatcgacac gttcgaaatt gaacaatgga 180

agctcttgag aaattcaaat ggtcataact tttcactcgg aggtcccatt caggtgcatc 240

atatatcgag atgctcgaaa atgaacaatg gatgctgtcg agaaattcaa atgatcataa 300

nctttcactt cgaggtccga ttcaggctca tcatatatcg agacgctcga aattgaacac 360

cgaagggtgt cgagaaattc aaaaggtcat aacttttaac 400

<210> 15461
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15461

agcttgacag tattacaaat ctcaatatac gttgccaagt gtgagtatgg atcttcattt 60

ggtaaaccat caaacaaact gctctgtatt agctgtatca atgaaggtgg gtaagttaag 120

ttttgtgcct gaacctatgg ccgcacaaca cttgagatat attgcggcac cgaagtactt 180

gagtaatctt ccaaggtcac tcattgaggt tgctcttcag ccatgacttc gacttcaaat 240

tcttctgttt gagattccct ggatgtangt gaattagaag atgatgactc agaaaagtga 300

tcctcttcaa ggattgatng ctattgtctg tcg 333

<210> 15462
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15462

tacacaaata ttcattaatc caacacacac tcaacanata atcatcattt gtccatagtt 60

cctatcaatc atgctcagta tgatgcatgc acctgacctc aactctcana tggaaatgtg 120

gtaccatccc taaggaaata gcctaagggt gcccacacga cactctcact tatgaaaact 180

aggcagtaag tgttgaggtc accctgtcat gcacagtcaa ctcccccctc ccnccacagt 240

gatcagtctg agtctcaagg gagttccaaa ccgagtgaca tgcccccaag tacaagtatt 300

tntcctcatg aaaaactacg agtacttact aacaaagttt gtactatntt catgcaatat 360

gaagtatgaa acatnggcac catcaatgca ctgaccgtgg ataattaaat attc 414

<210> 15463
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15463

agcttgagga ctataccttc gatcaaacac ggtagtgttt ctgtctcggc ccggatttaa 60

agcaggttgc agcaccagct ccgctttcct aaccgtactg gaggcggttg ccgtggcttt 120

gtcctctatg gttttttgga gttttaacat gacctccgag atggaagcca tttgatcttt 180

taaggccgat agatcggcct tcatctgttc ctgcacgccc tcttcattat ccatttttct 240

ggatcgagnt gtataggggt gccttggtgt nttcttagtt atgatgaata tcctcaagaa 300

atacaaaagg tgagtgtcat accctaattt cgt 333

<210> 15464
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15464

ngaagtcaga tagcccttac cactccttat gtatagtctg tcgccaatca tctagctgtg 60

tgaataacct cggcattcga cagattttgc tggaaaatat atgtgttcct cctccaccaa 120

gtaagtgatt ccaaggtgac tcatatacga catgctcgca agatagattg gccttcaacc 180

aactctttca atcaccacaa gaataaaaat cactaccatg attgattcaa atgaagaatt 240

gtcaaattaa ttgcacatat acacaatatc taaacatatg aaaatgagat tcctcatgat 300

cttcacagat actacacata ctgcttctag agaaacctat cctcctcctc ttcgcattca 360

tcaaccttga ttcatggaaa tc 382

<210> 15465
<211> 341
<212> DNA
<213> Glycine max

<400> 15465

agcttctagt ctcaattttg agcgtctcga tatattaccc gattcaatcg gacatccgag 60

taaaaagtta ttgtcttttg aatttcctac aagcttccgt tttcaatttg caacgtctcg 120

aatatattac aggactcaac ttgacatccg tgtataaagt tattgtcaat tcaattttct 180

cagaacttcg gatctaaatt ttgagcgttt cgatatatta caggactcaa tcggacatcc 240

gagtgaaaag ttattgacac ttgaatttga tacgagcttc cagtttcaat ttggagcatc 300

tctcgataaa ttacgacact ctgtcaggca tccgagtaaa a 341

<210> 15466
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15466

tctagccaaa tggacttacc ttgaattaat tcctttgata ttccttttga gccttgtttc 60

cctttccttg ttttgaagct cactacaagc cttaagtgaa aaaccatgat attaccatat 120

ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtgaggg gtttttgttt 180

cattggacaa cttgttttgt tggctatgct tcatgatgta ntttgggcca tacttgatgt 240

acattgtata ttggttaaat gttggacatg ctgaatgaaa tgttgtttct canaggctaa 300

agagtctaan aaaaaaaaag agaaaaagaa aaagcataaa gttgagtgaa taagatctta 360

aatggcacaa gaatgatgaa actctggggn tctactctca tgttaaattn ntaatcttac 420

tttcttttaa tttttttta 439

<210> 15467
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15467

agctntgatt tcctttgttc cggaaacctt tcttttctca tgtgcaccca aacccaatct 60

ccgggttcga agacaacctt ctttctccct ttgttggctt gtttagcata gcttttattt 120

ttcctctcaa ttttatcttt gactctctca tgaagcgtct tcacatagtc cgcctttgct 180

tgaccttctt tatgcttaaa aatagaaaca ttaggcatag gcaaaagatc aagaggagtt 240

agtgggttat aaccataaac aacttcanaa ggagaacaat tagtggtgct atgaacagct 300

ctattgtaag ccaattcaac at 322

<210> 15468
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15468

tgcttgtgga gcttctatgg aggctggatc tttgagcttc aatgaggtcc ttcaatggtg 60

atttttcacc atggagatgc agcggaaggc aaaggagacg aggagagggg aggcaccatc 120

cactanggaa taagccaagg aagaaagagc ttcaccacca agaattgcct tggataagaa 180

gcttgaagag gatgctctaa tggaggataa gaaagagaga angtgggagc acgaaattga 240

aggaataaaa gagggagaga agtggaactt tgaagtgtat ctcataagac tttcattcat 300

canagttaca acaagtgtta cacatgcttc tatttat 337

<210> 15469
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15469

agcttgttca caaaaaatag ggttntgaaa gtttatcatt tcagtttctt accaagtaaa 60

atggatcatt tttaaggtcc aacgacttaa aatgatcacc tttcaagtaa aaagaatcac 120

ttgattcacg cataagatag aactacatag gtctgatttc ctctttgatg gagggtacgt 180

aagagcaaaa gccccgcttt tgtcgacctc aaaaaataaa aagaaataaa gttaaggtaa 240

cacaatttcc acaattctaa aaaataggct gttgtccttc aagacaaacg taagaggtgc 300

taataccttc ctcaaccgta tatacaactc gcgaacttag aaatttcatt tttgatcg 358

<210> 15470
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15470

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cggtccttct ccttcttgga aggtaccata ggatatggta ctttcgaacc ttcattcaca 120

gctgtttctc ttttattctc tctagcttgt tcacttctac tcctctcttc attcttattt 180

ttttcatctt tttcaattgt ttcattttct ttttctttat ctaattcttt ctattnttct 240

tggtcattta attctttttt cttgaccatt atttgntgta tcttttccta atttctttca 300

cttctcatat catctttctt ttcatcagta ccctttcttt tcaatagact ttcttcttgg 360

atctaacact attctcatcc tcttgctcca caaacctctt actncttgtc atcac 415

<210> 15471
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15471

gatgtgcact atattgcact cagctcgccc gggtctttaa tcactgaagt tcagctttca 60

cttcggcaaa accttcactt aacccttcac aaagacatct tttccccagg aatcacttaa 120

actcgctcct gtgacttgct ctccaccgtt taatctaccg aaagcatttg ggaagaccct 180

ccatgagagc ctccgagtcg ccccatttta tgcgattgga ctgtggctct tgattgcaca 240

attacgtgga ccttaaagat tataatctct tcctcgtgtc accccacgca cttgccttat 300

ggggaccccg gcatcatcaa atgtgtgcct caacttagtc aaactatcat gtggtgctac 360

atcaggaaca acaatttaac cattcctgca tttgagatca cgtaan 406

<210> 15472
<211> 81
<212> DNA
<213> Glycine max

<400> 15472

ttggcccctg ccggtcttag caccgagctg agcttgaatg attatcaacg tagcgttgat 60

ttttacaact ccccatttta g 81

<210> 15473
<211> 341
<212> DNA
<213> Glycine max

<400> 15473

gagaaatgcc caagagaaac gtccgattga ttttttgtt ttatttact aaaagatatt 60

tttttattat tatattatta ttttacctct tttttggttt ccaacgtggt tacggcatga 120

ccgaaccgtc ggatttcatt ttaacagaaa ttaacggata ttacaattca aatgatcggt 180

ggaaatttat tttatttttt gattaggcga gaaaatgact taagtaaatg actaaagcac 240

gtcaaaaggg gatacggaaa gtaaatgaaa tgaaaataca agtacgtgag acaagcgggg 300

accaccaagg tacatagaat gaattgaaaa agctcgattt c 341

<210> 15474
<211> 272
<212> DNA
<213> Glycine max

<400> 15474

accctcttta atctgtatca tgagatcaaa atcgcatttt tacaaatata tacttaatgt 60

ctttgctgat aaggggctgt tcataaccca acttctctcg aacactgatc tcctttattt 120

taacgcccgc cacaaacatg aaaaactgtt atgaaactaa ccatcatttc cagaaaaaac 180

tatatctatt catttagtta tacacacaag gttaagaact ggtctaaggg gaggttactg 240

aaaaaacgta aattttcttt ccctactaat ga 272

<210> 15475
<211> 307
<212> DNA
<213> Glycine max

<400> 15475

agatgaacca ctggttgatt atatagcata tgatgaagga cattatagtc ctttcatgta 60

agttgctggg tgtcctaaac aatttccaaa aattgatgta tataaactag gaggtccaat 120

aaagatttca ttttttaaat tgtaataaat tttaaaaaat ttcacattga tcaaaacctc 180

tgttgctttt ttttttacca gttggcacga agttcattcg aaagcggtga ctaatttctc 240

gttaatgatt cgtgaatata tgatggttag attaaaaaat atttatctaa ccgtaataat 300

aaaattg 307

<210> 15476
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15476

anaacgagaa gtaatgcgaa gactaatggg cccgactatc tatatcctat ctcggaagtg 60

gaactactag cccaccgcct acgaaggatg tggaggccta actggcaact aacacatcgt 120

gactgggtga ctgacaccaa gacaaacaca tatggcagaa caaaacaccc ccgtcatgga 180

ccacctggct aatgaccacc gagactgacc aaaaagtcaa acccactcgc actcgaagtg 240

agaacgcacc caccactgca gataaagcca aatcgacaaa ggcacatatg gaccaaaaca 300

cgctcgtcga accgcaaagg aagcaatccc agctccacgc aacaaaagag ggtcgggaca 360

caacatgaaa cggggaacct gactagttac accaccagaa aaaaaataaa tggaaaccgg 420

aacaccgaac ctcgagcggc caacaaccca aagggaaaaa acg 463

<210> 15477
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15477

cacaaacaac acataagccg taaaccagtt tcatgacaat ttaaaaacaa caaaaatata 60

cttaaaaaaa ataaaaaagc caaaagaaag gtggcagatg ttcaatcaat ggcgttaaat 120

gatccccccc gctgatttca acaaacagca gtcaagtcaa ctctgataag aaaagtggaa 180

cagagattta agagaaagag accatactac caccaaataa aaaattggaa ctttttttt 240

catgtaacat ctcttcatat atttttctaa ttggtatact ttantttact gtgcaatttt 300

ttttttatca aaatccct 318

<210> 15478
<211> 587
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15478

cgcacacaca caaagtcacg tcgtccagcc accccacacc cgcgacacca aacgcaaaat 60

agaacntaca anagtannnn tntnnntntg gagcacataa ggaacncagc cngncccgng 120

aactctaaag cgacatgcag cagccagcta aacagacagc gtgtggaagg aacaaggcca 180

gtattatggt gtaaccaaca caagccgcac aaccaaggga gaaaggagac acccccactc 240

attaccgagg caaacccaat agcagatcaa ccagatccgg tacaagcgac agagctaaag 300

aagcacggca aaagccaacg aaaaaggagc caacggaaac ccccaaaaca aatgcacagg 360

cgaacggggc cgcactaatc aatacacgat catagaacag caagataaac caaaggaccg 420

gacgaacatc ggcgaaagca cccccaaact aacaaagaac caacacaaac aaaacccacc 480

cacgaaccaa aggcggatag agagaaacaa aacatctacc gaaggagaga aagaacaaca 540

tcgagcccac aggcaatcag gggaagaaac aggccaacac aaaaacc 587

<210> 15479
<211> 427
<212> DNA
<213> Glycine max

<400> 15479

ctgtagaatc tagaattgtc tatttgctat gcagatcgat agtattgcat ttattagtgg 60

gaatttgatt cttttgacca taaaaatctt ccacagtaag taaaatatgc acggatcatg 120

tgcaagatca ttttcaatac aaataggaaa ttggagaggt ggaattggtc tatatagcta 180

tagcattcaa tccagtgatc aaagtcactt tcaaaatgta tgtcagattc taattctaaa 240

gtttctgatt tacagttgga atgccaccta tgaaagtcta atggggacca acagcccttt 300

cacctgccaa ttcctcttgg agtaagtcct gcattcattg gattgtcacc tctcatatac 360

acaaggttcg catctatatc tctctttaat tattgtcata aagccccact catttaattg 420

ctatcaa 427

<210> 15480
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15480

ataaaatata cgctctattt ttttttacgc tcgagagata gtgagtgtga ctacanacct 60

agaatacagg actcttcttg agctgcatgt gcccattgat atgtgacttt tctaatggcc 120

ctactcatct cttatctgat tctttttttc actctatagc tgatttttct gacctattcg 180

tttttacagc aactcagctc tcaaatttaa cttaccacag gggttatatt ggtggttaat 240

gactatatat tcatcttttt gc 262

<210> 15481
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15481

acttggaccc catttctacc aactacaaac cctaagaaaa ctatattatc tacacaaaag 60

gtacacttct ctatatttgc atagagggtg tttttcctaa ctactgaaag aactagcttg 120

agatgtccta aatgatcatc taagctccta ctgtatacta aaatatcatc aaaataaaca 180

actaccaatc tacctatgaa atcccttaag acattatgca taagcctcat aaaagtgctt 240

ggtgcattag tgagcccana aagcatcact agccattcat acaaaccaaa cttggtcttg 300

aaagcggatn tccactcatc acccttttc a 331

<210> 15482
<211> 223
<212> DNA
<213> Glycine max

<400> 15482

gcaccactgc cggatcttac ctggctcact gtacgttgca acgacacttt ttttgccatc 60

aaaatagcta ccgcaactaa tccgtaaatc catgttcgaa aagcaagagg gacacttccc 120

aagacctgga gtcgtgtctc ttacgataac tcccttgaca gcaggtgcaa ccctccccaa 180

atttggttcg ttgacttata ctaggcctat aaatgtgaac ttt 223

<210> 15483
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15483

gccacctgaa cctnatgaga cctgcatacg gccatgatac cacttgtcta attacattgt 60

gttgtattta tggaggaggt tgtatgtcat tcttgtttta ataatatagt cccactggta 120

aaactaactt tccaaatgtt tgccttcaca tgaaatggcc ccgatgaagc ttgccttaaa 180

gatgtccaag aaagacaacg cagccgaaag aactacttcc gctccggagt atgatagtca 240

ccgctttaga gtgctgtacc ccagcaccgc ttcaaggcca tcaatggatg gacgattcta 300

cgggagcgac tcgttcagct tatggaccac gaatatactg atttccagga tgatataagg 360

cgccagctgt gggcatcact tgatactccc atggccaagt ttgatccaat aaatatccct 420

tgagttctat accaatgctt tggccaccag aggaccggcg tgcgtgacat gagactcttg 480

gatacgggcc g 491

<210> 15484
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15484

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cggctgcagc ttgtgcacaa gaaaatggga caccattctt tattctcttc tctaaccaag 120

cccatacata atggcttatg ggaactccct tcaccgaatg gatgactgag aatttggact 180

tccttgagaa aagcttgctc catgaaatcc aactgcgaca accaagcctc aaagaaatgc 240

tagttatacc gtatagangg tgaagactta tttcaagacg cctttcaaca ccccttattga 300

attcctatct aaaacgatct gaatatgtgt atcagatatg ctataggata tgtgaatgac 360

tcacggtggc gtcctaacac ccaatgctca ggtggaacta ttgccgatat agaaaaattg 420

tcaaatggaa aagtgtgaga atgcctattt cgcacgcttc acttgcctcc gaaattctct 480

catattcccc g 491

<210> 15485
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15485

caaacttgtc caagaagaag ctctgatact tatttttata tctataggct cagatatctt 60

aacaaagggc ggcgtggatt aagatactcg aacttctccc ctaataaaac aacaatcaaa 120

attcgaccca actaatgaaa ttcctttaac tgccaacgta tcgcaaatca tatattcana 180

ttggaaacaa ctctgtatat tgcaaactac agccactcat tcaactacac gagaattaaa 240

gtgaacaaat acaggacaca ccgctatcat tctggatcgg agcacacctt gtgcctacgt 300

ccagtcccct agccactccg cttggaaagt accacaacca tggaactgct ttctcacagg 360

tgtaaacacc caaacgacaa cccattcttt ctgtgtttcc aatatgcatt aacacgagat 420

gactcacact ctactatctg cttcaagaga atgagaacat aataacagac ataactctcc 480

g 481

<210> 15486
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15486

cttgtgcaca ctatgtaggc gacttcagct cgtacccgng atcctctgag tcacctgcgg 60

catgcaagct atcatganaa gatcatctac ccctatgatt gttgttatcg ctctaacnca 120

tttcgaaatg attagtgata aaaagttgcc aacttngctc ctgtctaata gatcccttta 180

cattgggaat tggaggtcct catgggcaag ggtcaaagac taataagatg aagcaagcat 240

tgcatagcct aattctaaag atcaaagaaa taagaagacc caatgtgaac ctaacggttg 300

caacccantt gggtcacttt cctactaatc gatgaagatg ctttgatgcc aacttgaaga 360

atcacttctg gaagcccatt tataaaaaac aaccttcatg ggttagtcga caattttggt 420

gactactaaa ttgggtgatc aatataacta gtcaattcct gcacctattt gaatttctac 480

attcttttgc tgaattctgg gaattgattt tctaccaccc at 522

<210> 15487
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15487

gcctggtgta gaacttgagt taaagagcta ttattggtag ngtattatac tnctaactta 60

tagaagttag tgaaacttag tggtttgtca ataactgaac atagtctcgg tggttgagac 120

gaactagtat aaatttcttg tgtcctattt tctccttttt tatttaaact gacttacagt 180

tagaatttga cctttacttt agaaaaatta tgtttggttt acaaagatct gaacctatcg 240

tctgatctat cccacaaaaa tctgatattt gtttcttaag ttctacttca tcaaatgatg 300

tttttgttgt atttcaagaa gattttaagt ttagtaaaaa tcacaattca cctcattctt 360

gtgatatata tatatatata tatatatata tatatatata tatctctcta ta 412

<210> 15488
<211> 134
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15488

cactcactcg taccggatct taagtcactg cggctgcagc ttcatcacat tgatgaacgt 60

gattgtatgc ttgtcagtgn gagacaacgt aaatttctgc gcttctctat ctctgactgg 120

catacgtctg ctga 134

<210> 15489
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15489

ccatgctagc ataagtgaga caaaagctgg tgcaaatcat aactctgata tctcatgggt 60

cgaatggatg aatgcatgaa ggaatgcata taacacagat gcaatctagg aatgcaggag 120

tccagcgaat tcgtcccctt cttagacaca acgtctaagg gtagcaaagt gccgcacgta 180

cgttntaaga aagcacaccg accctccgtt ggtttgttac acaatggatc aagacagaac 240

ccatatgcga tgcctatgca aaagacacaa tgcgagaatg tacacaatat gacaatattc 300

acttgacata cacaaaaagg tatatgatac ttatg 335

<210> 15490
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15490

atttatattg ccttattgca aaatanatta tcataaatat catattgggc cctaaaaaaa 60

gctatagccc ttaactaagt ntgattcgcc tcttattaag ggtaaagnct atctattntt 120

atncctttg tctcatgtat gaataacaat gattttatat tatatttaca taaagttggt 180

ttctcattgg ccataacccg ataactatta atgccaaata tacttttga actttatatg 240

aataagtaat aactataatt aactaacttc aaagatgtat caattgggac tagtgccatg 300

aatcaagaat cctttaactg gttgcaggtg aggctttaac caaccaaatg cggaggctaa 360

caacaatgag tgaatgttg 379

<210> 15491
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15491

atgctattcg cactcagctc gaccngatct ttagtcactg gggagcacct tacctattcg 60

ccttaccagc ttagaattgg gaatccattc cattcctggt gtccggactc tcagccctta 120

tgatagccgc gatgatccat tacttgtttc cctaagctct ctggnctttc ttaacgcccg 180

aatccatgcc ttgcgaactc tttgaatacc ttcgcgtggg cactaaaccc gtgcataaag 240

gcgtgagctt tcgttaatgg cgctctctat ggggtaccaa ctgtctatgg caggatggga 300

tatattatac acccttttgtc catcanggac atttgacatc ctccatgaga tagatttgat 360

cttcttctct acgaggacca ttacaacccc ccatgcacca gagtggtcaa tcgcttcttt 420

tcaccacaca gacctgtacg taac 444

<210> 15492
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15492

acttctgctt attgtgacca cattggtacc tggagatatg tcgcggtggt caggagacct 60

tggggacgtt aggtggggtg ctattgccca aaaccaagct tgaccaatcc cgacccaacc 120

cgggcatagt cggtcagtga gaacctgtga tgtacctaag cagacgagct cctggcagtc 180

nacagataaa aggaacaaag accacaaagc aaggaggctt gtggtggctg gccagctgtg 240

aaacttgatt gatatgtgag atatggtctc tggtaatcga ttaccaaggg tgggtaatcg 300

attacaaggc ttaanaatga agacaggaga ctaagatggt ctcttgtaat cgattacca 359

<210> 15493
<211> 207
<212> DNA
<213> Glycine max

<400> 15493

tggtcgtcat tgtcaatgcg gaaggattct gcgcttcact atccatgttc acacattatt 60

gcagcttgtg gttacgtgaa catgaactac taccaatata tagatgttgt tatacaacga 120

cacatttaaa acttactcgc aaatgggggc tcttggaatg aagtgctatt tcttcttctg 180

atgacgcatg gacacttatt cctgacc 207

<210> 15494
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15494

tagttgatca agaccgaatg aaatatgtgg gccatcatcg atgagttcta taaanagcta 60

gacctagtag caactcatga gcaaaagcta gaggacaagt acaccaaggt ctcagtcttg 120

caagcaaaaa gggaagcaag ggaaagggtg atcgattcat tgcacagaga agcaatgatg 180

tggatggaca gattcgcatt tactttgaat gggagtcaag atcttccctg actgctagcc 240

aaggccaaag cattggtaga tgtgtactcg gcccccgagg aaatccacgg gctcctcaat 300

tattgcgaac acatgatttg attaatggcc tacataatta ngagtcacta aggcaattgt 360

attgtgcttt gactttggct agatacacc 389

<210> 15495
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15495

tgtccatttt gcactcactc gtaccggatc ttagcactga gctcagcctt tcaggatctg 60

ggagaaccct cttcttgtta tccctaggaa gggcccctc tccctctcct tgccttcctg 120

ctctcatgtg aaacacattg aggactcttg agctcaagat caccctcata gaactctaca 180

accagcttcc ttaagtggta tcagaacaca agagcctcag taagtgctcc ttaaacctnc 240

aattattttt tgctttaccc tctcttccat tggtgttctt catttttct catgatctcc 300

tacatgtctt gtctaaatgt tgttacatga ttcttagagt gtcaccgata acctgctata 360

aactagatng aattttattg gtcaaattct tgtcttgtct tcaacatgat ntggttaggt 420

aagttcctta ggatttgctg gg 442

<210> 15496
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15496

catatgtgat aattgactat tntgacacac aaagaactcc taaagtgtcc agatgcaatc 60

taatcgatta ccacatgtgg taatcgatta tctcaaacca caaagtcttc cttctgctaa 120

aactagctta tgtaatttat tactaaaact gggaatcgaa taatccgatg attcttgcca 180

catttcaagt tgaagtgagt tatgttgctt gttctaacac tttgtaattg attactaaac 240

tttgtaattc gatacattgt gttgaactca ttgcttctaa gaaactttga gaccaattca 300

ttaatctacc ttggttgctt tctactaagc atgaatataa gagaactaat tacccatcat 360

gcctagtcta naaacatcca atataaatgc cacatctttt aaatcttttt tggcattgta 420

aaatgattaa aa 432

<210> 15497
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15497

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ggctttttt gcatggccta tccggagaat tctcagacac atctaggctc cctgaatgac 120

agacaggtat ccattttgcc tctccaatag aaacttaaaa ttatttttga cttagggttc 180

ttgggacaac atccgactct taaatcctta agacttactg cagacttaac tggcccaatg 240

atagctatct gaaactttga cacctctcng atttgatgac aacttctaat gaatagtgca 300

cattcctaag tcctcacagt gagtgactgt ctatatgaat atagtgatgc taataaa 357

<210> 15498
<211> 417
<212> DNA
<213> Glycine max

<400> 15498

cgcttgaacc cttcttagac gcatcgtata acactcagct ttacagctga atcattcccc 60

atttgacacc aggtgtgagc cagttctagg gtcctaaaag acagcctcac atgatcaaaa 120

tgaaagatga cttatcccac aaagtccaaa caactggcga tctgcttgat tatagaaact 180

gacttagtac caaaaaaata ttttccctgg ctttcttgat caaatgcttg acgctggcag 240

aagctcattc tattttcgag gctttatgta ttacaattct atgctttgag gacagaaaaa 300

acatgtcact gcctttgcac tttgctattg aagaagcctt ggctatcatg cccttgacct 360

tcgcggtatg ctacatttca tgattttaag actgctaatg gttatggtga ttctgtg 417

<210> 15499
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15499

ctatccatat gcactcactc gaccgggatc ttaagcacct gcggctgcag cttggcaatc 60

aacacataac ttagcgattt tattntccgt atatatcaaa ctcgaattag aacagagctg 120

tagaaaatca atgacgatac ttttcacgat gtccatggat ccgtatatat gcgtgctcgt 180

attgaaacaa atctttgaca atttaacaac atactatgac tgatgtgtga tgggccgata 240

tcctcaagct caattcaaac aaagcttttc aaattcacga catacttttt cggtggtcat 300

ggtccttata tttagagcct caatgaacta accttacaat tcacgacaaa cttttatcgt 360

tgtccatggc cccacattcg atcgctcgat taaaccgacc ttgtacaaat 410

<210> 15500
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15500

tgcattcgga atagcgaaag ccccactcca tcattaggat tattacctga catctcaaac 60

aaacaaatca aacgtaacta gacaattata gttgctgttt gaatacctca cccactcaag 120

tgtatcacac aattatggct tttctctaat gaaacactct tgccttttac cactctaatt 180

ccccttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240

atgtgtaagg taaggctaga caaggaaaag gttaaccaag aaaaaggcta acaattgttt 300

taggcacaaa tgaaggaaat aaaattcaga atttatgaat tcaagtaaca atccttcatg 360

caaccaatat attaccttaa agagtntttt tttttaagtt cttc 404

<210> 15501
<211> 120
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15501

agcactcagc cgaccgggat ccttaagcac cgcggctgca gcttgtcggt acgacgtcat 60

gtgaaagagt gatttatttt gacatgccat tgnncaaaat cacctctggc cgagacacat 120

<210> 15502
<211> 485
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15502

cgcccgcgtg acccccgatt gatgcctttg canaccncga ccttaganac tcagcctgcg 60

atctagcaaa tattagatca gtggtnaaat gatagtatat ttccagcact tatggtcgga 120

attggtggtc tttttaatta gaacacattt tatgcatatt ttgccatgcc atttaacttt 180

taactggaga atatagaaaa tgcagtttcc ggcagaccat aaaatttcta tanaagtaac 240

atgcatctaa taatntctag cacaatatga aagagtcacc acttaaaacc caaaccgagg 300

gtcaagaata ctaaaataca gcatttacct tcattcaata gacagatgaa agtgcagatc 360

cattagagag agcattggag aaaatattct ttttttaaaa aaaaaaaatt tagactacac 420

aacttaaaga aatagggcag ctaagatacc tcagacatga agcttgctca gtttaatgaa 480

ctccg 485

<210> 15503
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15503

cttgagggtg gatgatagac gaacagcgct aggcatttta tcatgtgtct nncgaataga 60

tttanggtnt gaggatagat gaatattgct anngcatcat tcatgtgact ccgataagat 120

ttgaggtgac gataacgaac aacgctaggc aaccaattcg tggggcttca ttactcatgg 180

gtgaggacgc attgaccaaa ctatgggaat aaattgatgg gtctccgact aagatttgag 240

ggttgangat agacgaacaa ctttatgcca tcaattcatn gtgttctaga ctccatggtg 300

gagacgcatg tacagcgctt agcaatcaat tcttgggtct tccgaatatg attcgacggt 360

ggaggatata ccaacaccgc taagcattca ttctgtgggc tccaacctga tggtggagat 420

tcttgaactg ccttngcatc atttctgggt cg 452

<210> 15504
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15504

gtagaccccc ttggtttgat cacgctagct antaccngac acttagaata ctcagctttg 60

gtggagctca tggagatgac atttacagaa tggtttcctg aggagagaga ggctgtctaa 120

attcttgttt ctgatgagag aaaaatagct ttctgtccta aataaaaggg tttcctcttt 180

tctattattt aatctactct gcccatgtcc tattgattga aaaaaaatat aggcccactt 240

tctttttttg actgtgaccc atcctcagtc acaaaagtga gaaaaattta cctttgaaac 300

gctaaatcct gcctcggttg cgtgccgatc tctgattcca gttctcgcgt tctctgcgtc 360

gccggagcca tttttcgaaa gccagcatat atatatcaaa cnctcagaat aaaacccgag 420

cgtggttcaa ggtttggttc gttaatttta agtccacgca aaccatgatt 470

<210> 15505
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15505

ngcccaaaga aaggagccac cgaagaaatg cntatcacct caaaagactg gacaacnggn 60

tgcaaacgac agcggcgccg ctcccacaaa aagcatanag gatcggcacg ccactataag 120

actccccgcc gagacaaaac cagatgcccc ccacaccaaa acaaccttcg gaggagcgga 180

aagaacaaca ccaccgggga cccccggccc caacaacagc ggaaggaggg gaaaacccac 240

atccgaaaag accgacagtg gaaggccact gacgggagaa caacacaccc taaccaccgg 300

cgggagccgc gaagggccaa ccaccaatga ccatggtcta agcgagaggc ctcgaaggga 360

actacaccaa aggcggcgag cgccccggtc aaccggaacc aaacccgaaa cacactgcgc 420

accc 424

<210> 15506
<211> 397
<212> DNA
<213> Glycine max

<400> 15506

tcaccctgac tgtgaccctg atcggcccta aaccactgtt cagccatctg ggggtaaccc 60

tcttctgcta atcctaagga tgggctccct tttctatctt gcttcgtgct cataaactca 120

caacaagctt catcaagtgg atatacccaa agctctatac ggctcttaac tactaagctt 180

gcttaccttа cagtctggct aatgtgtaca gatcttaagg ccccaatacc tgttaaactg 240

atttgatgtt atgacaaatt ttgtcttgcc ttgaacatga attgtgtgag tatccgttcc 300

tctcagttac gtcttgttat tgtttgcggc tgaacctaca caataaaatc ttacacaatt 360

ataaagaata agaaaacttc atggattcct ttgctcg 397

<210> 15507
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15507

tgagtgagct aacttacatt tatttgcgta gcgctcactg gccagctttc cagctggaaa 60

acttgtcttg cagctgcatt aatgaatcgg ccaacgccaa cccctctgtn gtcgctcggg 120

ctttctacca attatcatgt ttaacagcgt atcgatcgag attttggcct ttcttccgct 180

tattatccat tattccaggc ttgcaactca gctgttaacg tgcccatanc tgtcttaaat 240

aattacgccc ccctccgccc tttccagaac tgggggaata ttaacattct gcaacatgga 300

acccctcaac ggttatcg 318

<210> 15508
<211> 126
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15508

ccacagattc tgccttcttc tattttcaga gtggggatgc ctctaacagc acctctgtca 60

atgattntct tcatgcctct taagtgcaga tgtccaaatc tttgatgcca tattctgact 120

tcatct 126

<210> 15509
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15509

cttgcgaaat gatttctata caaaagtttt tttataaagc gactaacaga tataaagggt 60

gttataccct tatttcgtct ggggactatc atttgttaat cttttgattc ttgttagtcg 120

acttacagtg ttgaacgcca gttacggtgt gaaacagaaa atcattcagt gttttgatca 180

aaaatgcaaa aaataccaac aaagggaaaa atggtctttt ccttggtttc cttgacccta 240

gctcgctcan gctagcctct agcttgcctg tgccaccgaa taacttcatg gtgaaaaaac 300

caactcgcca gggcgagctc attgcttcag cactaagtnt tagcttgcct gngcaagctg 360

caactgctcc aaagtgaccc tttgcttata aataggcgtt ct 402

<210> 15510
<211> 175
<212> DNA
<213> Glycine max

<400> 15510

acatacttat tgtgacaatc tcagttgagt tatgaaactg ccctgagatt atgtgatatg 60

acctgaacgt taggtcagct ttctatggat ggattattgg cattgcgatg catgatataa 120

tagctatgag ggaggaattg tgttcatgta ttgatattac ggctttgctc tcctg 175

<210> 15511
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15511

ccactggggg ttgtgttggt catctcaaca tggaactttc ctttctgtat gtagaagaat 60

gtccctttc actctattta tatatctaaa ccgtatatgg ctataattga gaacagcttt 120

tcttcatctc agccaatttc atcactgtgg agctcttgta gtgagatgta tntgtcctgg 180

taataaaact cttccgcact ctttaagttt tctttgtcaa aaatcaaatt ntaccaatta 240

tgtcaagctc gtaacttatt tgtgctctct gtctat 276

<210> 15512
<211> 505
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15512

aatatgtcga tccacctcta agggcacttc agctcgtacc cgggatcctc tgagtcacct 60

gcagcatgca nngctanagt atgcccgagt cattcatccc tatgagaatg ttgtgaatat 120

tggcgatcag aattgccatt ccttggatta taggggttga ccaagctcat gcctttacaa 180

naaggttcat caagtccagt tgaaatatgg gaagttacca tctttgaaaa ttgggggcaa 240

agatgaatcg agtcacatca ctgcttcgtc tactgcccaa catattaaag attggtgatg 300

tcctcgttac ttcccgttca cccttgacaa aaatgcattg accatgctgt aaatctaatt 360

gattaacccc tatcctgcga aaaattccaa taottcactg acatattcga tacatcctgt 420

tttcatggtt gatggtcatt gattcctcct tgaaaataaa taaataaata aaatgactta 480

atattgttta ataaaaaaaa acccg 505

<210> 15513
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15513

ttctttaatg catctcatct aanaccgagt tcgatggttg tacgagcttt cgatggtagt 60

cngcgggagg tgatatggga aattgacatc cncattcaaa taggccccca cacttgcaat 120

gtgagtttcc aagtgatgga cataaatccc gcctacagat ggtggtcccc tcgatgcttc 180

accagaaact gaaattcgca gttggtggac tcttgttgat agtgtcnggt gaagaagata 240

tgttggtaag ctgccccttc tcgacaccat atgtagaggc agcggaggaa tcattggaaa 300

caactttcca atctttcgag gtggtaagtt gtgcctccgt ggaaacaagc ccattgctac 360

cttgtttctc taatgcagcc ctgatggtgg cgcgggtaat gc 402

<210> 15514
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15514

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ggttaggaat ctggataagc ctacagtttc ttcttatatg actctcagng aagccaagat 120

actttaaaag atactcacgt tgagcctgga gatggttttc aaagaatact taggggggagc 180

ctatagaggc tttgagacta gtagttataa gagcctatgg gaagcttcag aaaatnacaa 240

taacatactt ggtgcttgtg taatggaatc tacagtgtgg gctatatata ctcagggtgg 300

ggtaaccata taattatgtg agtatttatt ctttttacca tttctgattg ttcgtttcta 360

ttttcgttac gaaacatatt ttccatacta ttatttgata tagttctaga agttttctta 420

atgattttca agatataaac acgtttcttt ttcaaaaaga aaacctaact tccttt 476

<210> 15515
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15515

tgatagaaat aatactacat ctttttctaa tgttttacaa ggtagtaata tcatacaaaa 60

taactttaga ccttacactg aaattgattc tcatatgtta aatgaaatgt ttctaccaat 120

acggaaaatt catgatgtca aacttctttt ttgatattca ttgtgtccta catcgtgatt 180

tgcacattac tgaaaattgc aaaaggaatc ggttgactat aaaagaatga gtatgtttca 240

aaatacaaag tagattaaat gaagaacaaa ctttgcttag atcacaacgg ttatttcaac 300

aatntctagt agatggttac attatgattg agtcagagag ggtgtctttt ataagataca 360

accaatctan actacgagtg gacaaatatg ctaattngga aaattcagaa tctaacaatg 420

aaaaccatgg ttctgata 438

<210> 15516
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15516

atatatatgg ctaatttaga atttctataa cataatgtta ctttttatga gtttagaaag 60

cttctaaatc catattatta tgaagtnttt ttgttaaatc tgactcttaa atntaaaatt 120

tattatgagc attatttcta tttaagagat gatttaatat aatttcgtat tacttgagga 180

cttattaata ttatatatat tcgataatca aagtttatta tatttatact tcctggatct 240

ggt 243

<210> 15517
<211> 376
<212> DNA
<213> Glycine max

<400> 15517

taccttgtg tgtggcacat gatgtgtgac agtgatgatt ttatactttg tatttgtgag 60

aataactagt tcggaggttg atcattttca tggagacctc atggattggc cagcttggat 120

atgaaaatgc aatccttctt gtgttgttct tcgctacttt tatttatatt ggtgaatgac 180

ttaaatttta cgtagtttat ctttacaaag ttgtttatgc ttatatgtag gttttgagga 240

aatttgagtt attatggtgt agtgtgtgtg tgtctatata tatatatcat gtcctgtttt 300

aatttggagt tgggcatttt agcctttggg acttcgaaaa tgcaaaagtt ataagtattc 360

tataatcaat taattg 376

<210> 15518
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15518

attgccatat ggcactcact cgtccgggtc ttnagcaccg cgctccgcta attgaattca 60

tgaggaaaag gattttagtg cttgaaattg aggagaatga gagagttact ttgagtgtgc 120

tacaagactc tttctcaagg tggacaaggg tccatggtct tttttcccgg gcctacattc 180

cctgatctag aggattccag aattccaatc attttactat tcagaattgc ccagctctac 240

ctattaaata tgccaggctc tacatattct taatcccaaa ataaaaggta cctgtcatgg 300

aaagattccc cagaatttca gatttccaag gctttctatc ctggaactga gggggactcc 360

cccctccatc ctagccccag caaatcac 388

<210> 15519

<211> 354
<212> DNA
<213> Glycine max

<400> 15519

gcgcataaac ccaccatccc ctagttgcca cctacaacta agctcaagta ctaccacgta 60

gcccatatac tcgtgtctct caacaacggg tccccatcaa tcctcccaaa gcttccaaca 120

tccaagttat tcaacattca cacaacacaa actatcacag cccataaaac agggcaaagg 180

cagaaaactc tgcccaaaac accaaccaaa atcacagctt ttctcactta agaccccagt 240

aacaattctt cgtccaattc gtaaccgggg atcgactcaa aatttactgg aagctctagt 300

cttaacctaa ttggaccgtg ggactactac aacgtcagac tattctgact actc 354

<210> 15520
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15520

ttcgccttgg cactcagctc gaccgnatct tgagcaccga gctcagctgt tgattgtgtc 60

cttaacggac ttgtatgtaa atgctaactc attcagttca acttactgac tgcttggtct 120

atttatgtca tccctctgaa gatatctgcc ctatctatca aatgttgctg cgcaaatcag 180

agacagtctc aaagtaagtc tcactatcaa tatatgtcag tctttaagtc agtgactgaa 240

cagctgagta ctgagattga tcagagactt tccatagtca catgcgtgtg attatgacat 300

tatttaagat attattctat ggagaaaata tggctattcc gttggtggaa ctgcatgcct 360

tgac 364

<210> 15521
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15521

nggtaacaag ggccgcacaa ataanatttt acacttggga attaaattca ataattcaat 60

ccaaaaaaat ccattatcca atggcttggg cggggatacc aactaccaag tccttagaat 120

ccagaagaag aaaaaactcc ttaaaaagat ttatcggtgg aaatgggaat attatatttt 180

ttttttcagt ggagaccggg atccccactt tctttttggt ttgggggcca ctggtggagg 240

cttcttttta tttttcaaga ctatttttta gggcatattg ttaagtgctt ataatccatc 300

gataccagga ataatgattt ataattttta acaaggtggt aaagagttaa attntaactt 360

tttgagggat gaaataa 377

<210> 15522
<211> 195
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15522

cttgaccact gcccggtctt agcactgcgt gcactagatt gtatctttac ttgatttgag 60

atatttgttg actgtacatt cactttatag tgatgatcat atgtatatgt aaatgattgt 120

tgctaaatta ggtacctaat cattgaatca cacataacct attaaaaata ggcagccatt 180

gttgatctna atcaa 195

<210> 15523
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15523

tatgaatctt caaaactcta caaagaaaga gtcaagacct attatgataa aaagttgttg 60

aagaaagact tcaaaccggg acaacaggtg ctacttttta attcaagatt taaattattt 120

cctaataagc tgaaatccaa aatggtctgg acccttttgtc atcaacaaag ttcgatctta 180

tggtgcaata gagctatatg acccacaatc tcaggaccct gatagagcat gggtagtaaa 240

tggccagtgg ttgaaactgt aacatggtga agaagttaac aggcacacaa caccttacat 300

tttatcaacc attgaggtaa aagcatcaag ctaatgacgt taaagaagcg cttcttggga 360

ggcaacacag ttctaatntc ttttattctg ttntaataca ttccataatg tggaacttac 420

ttcataatca tta 433

<210> 15524

<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15524

tgtgctctct catgtaagcg actncagctc gtacncggga tcctctgagt cacctgagga 60

tgcacttgca taaagcattg taagataagg ttgctctgtc tgccttgagg acaacccctc 120

acagtaggca tcataatcga atatgccata ttggagtgtc actggngaag aattcaagat 180

gatgcatttg tagttgttct aaataagtta gggttaaatc ttttttctta atacctaata 240

gaatcttagt acattagtta aaaattaaaa aagaatattt tattgtgatg taataatttt 300

cttataatta aaatctacaa aaaatattat gttgattatt aataaaaaat tacttataaa 360

tatttttta aaaaatctca aatcaatatt tgactcatca tccacccta gtnggataat 420

tctttttttt cctaaattca ccaacaattg ttaattttt 459

<210> 15525
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15525

agatatttaa acaattaaaa aataagtctc cctttaatgg atttctggat ttatagctgt 60

gtgtgtggtt taagattgtc caaaaatgat aatttataaa gtttttgaag ttctagctag 120

acactcaatt aaaaaattta cacgattaaa aactcgatta aaaattaata atntaaaaac 180

ttatttatag aaagttaacc ttaattgaat agtccatcct cgaaccaaac tgatattggg 240

tagaattgat caactcgatg aattgatata taaatatata tttcatcgag aaaattctac 300

caaaacaatt tt 312

<210> 15526
<211> 115
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15526

acttatcacc tcaacagatg gcaactgaag acccatcgtc ttatagacct atgagagctg 60

gtatangaca aaggttttgg gatagtttta ccttagtgga ttaccccaca tactt 115

<210> 15527
<211> 557
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15527

cagctcataa ctgtagtggt atcacgtctt gtattacatc tacgctgatc tgctgcacnc 60

cncacaggag caccaccatt tgaacccgtg ttggacccgc ttgtataacg cgacacgttt 120

gaaactctag cctggccgcc ctggatctac ttcatcaatt gttgtttttg ctttttaaag 180

cagacaccag ccccattgag aaagataatg gtgattggag atggcacttt caagagaaga 240

atgaatcaaa aaaaactcac caccattagg aaccctggat aagaaccttg acgtaagaga 300

agatgaatgg agggagaagg aaaaacggcg catgaaattt agtgcctctt aaaaagttga 360

actttgaagg ttaattctca aatgatcaaa ggttgaaaaa tgcacacaca tatcctctat 420

ttatagccta agtgcacaca aaattggagg gaaattgatc tctattcaat ttactaaaat 480

cgaattgaat tgggagccaa attcactata tgatagtgat ctaactatgt cacccccctat 540

ccaaacaagt cagttcg 557

<210> 15528
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15528

ttcccttgag caccactcgc cggatcttag caccgagctc agctcaaata ggtcaggcac 60

attcggttta ttctgtcaac ataaggctag ggattcggtt ataaaaaaac tatttgaaat 120

ccatccccat ggacgngtcg tgatgctaaa acatctaagt ataaaaatac tctaaatgct 180

attcttatgt ttcaaagagt gtataccccc atacgtccca cacttaaacc taaagactca 240

actcttagaa agctaaagta agtacctatg aacttaatgg agtcgagatt ttcatgaact 300

cagagatcta gattactcta taaggtctct gtgggggcac ggacacgtgc tacgggcacg 360

gttggtg 367

<210> 15529
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15529

taatagtgaa tcacttattg ggaggacatg ttgctatgac attaaattna atagccattc 60

ttggtgcata tttctaacca tgcttttgat tttggtgagc taaaaaggtg aatgtgggca 120

ccaccatact tagttgattg aagcacatga acaaaaaaat tgttgaatgg aagggaatgc 180

aagaagagtg tgtatgtaac ttgtctttgt gtatacttaa tctttagtct gaattttctt 240

ttgttttgag tccttacttt ttttaagtag ctttaactgg tttagtagtt ttaattagtc 300

<210> 15530
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15530

gtgatcctac ataagcgact tcagctcgta cccgngatcc tctgagtcac ctgcggcatg 60

cagctgtgct gtntatcana acaactaagt gcgttctact attatatgtg aatcaataac 120

cagcatagat tcaaaggtac tatgttggct tctaaatagc gccttcntta accgtgcttg 180

gtggttggaa cgccacaaag taacaangcc gcatcccgcc atattgatnn ttcctccccg 240

gggaaacatg agtggaagga gatcttcatc aaggaatcat nccaactctt gatataggct 300

ttgagggatc aactgggctt taattccatc cctctactgg gatcaccacg ctagtcccgt 360

cacctgagta ctggcttgaa gaatcgccgc tgacggcagg gcacccttat actcaccata 420

tgttggtgtg caaacccacc cgctgtaagg ttcattgatg caaaaaacaa tatgtccagc 480

ctgctaa 487

<210> 15531
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15531

taaagctagt gtctttgtta tattntttat ggatcttggc ttaagagagt aagactcttt 60

ctaccttatg aattagaatt aaaaacactt tttattgatt tattttaaca ttataacatg 120

aatgagatat atatgacaca ttaatgcctg aagagagaga agaatacgtg aaatctattc 180

ctgcaacaac ttctaccatt tgggtgacat ccttatcagt gtggtttctt ggttttaaaa 240

tgacataaaa gcatatactt tgttggttta tcacttgatc tatttgttac ttcacaaaat 300

ca 302

<210> 15532
<211> 156
<212> DNA
<213> Glycine max

<400> 15532

tgcagctaat actactgcct ccccactaat tatgtacata aagtttttat gaaatctatt 60

ctatcactaa aactgcttga cacatgagac ttaaagaaga tcgtatccct ttgacttatg 120

tgaccttaag tttagtttag tcttaaaaaa taaaaa 156

<210> 15533
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15533

tgatcatgtc atcaattcga agatggttat tcagcttctt ttcaaactgn gaaaaaaata 60

aaacttatag ctcagacagc tgtataagaa agaagctata tcttgaagtc aacaactgtt 120

gatatttaac taaatacata cctgaataat ttttactttg ctcattgcag gctcaatgac 180

tccggcctcc aagttgtttc tgattatccc ttgcgaaagg tccaaaccca tactggggaa 240

aaaagagaaa aataataaca atatttagcg agatggaaaa gaatgccaaa gcttatcaag 300

catcatttca tatgtattct ccattggtac ttttctctaa tattcattaa catattcaca 360

tgttggaatg atac 374

<210> 15534
<211> 176

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15534

tatgttctca agactggact aatacatttg ctgcccaagt ntcatggtct ngcaagtgaa 60

gatcctcata atagtgaaat atatctaact tcaaagctta taaatatant tacatgtagc 120

gaatatatat aacacatcac aacacaatta catgttatac ccaatatata tatata 176

<210> 15535
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15535

tataagctnt gagtgggaaa tgatagtgag actcaacttg gataccaacc ttgtgctaca 60

acaattgtag caagacctag tatccataat gagagaaaat tgtttggtta aaaccttgca 120

tcttgtatga aagatgttct ctctttaggt ttgggttaag tcacaagatt aacttgttgg 180

atcgaatggc ctcagaacaa ttaagaaggg ggggttaaat taattattct taaaccttta 240

ctaattaaaa attactcttt taaggctttt actaaattgt taagagaatg aggactagaa 300

gagaaactta acagaaagta aaagcagaaa tttaatgcac aacggaaagt aaaagagtat 360

ggaaaaatga aacaaacaca caagagtttt tatactggtt cagcaacaac ccgtgcctac 420

a 421

<210> 15536
<211> 152
<212> DNA
<213> Glycine max

<400> 15536

cactcactcg tccggatcct tagcactgag ctgcgcttga agtattcaat gattttaata 60

acttagagaa gaaagaatat gcttcttaga acaaaagtct ggctcttgat tacatgtaca 120

aaaacttagc tgcttactgt gtatatatct gt 152

<210> 15537
<211> 420

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15537

tattatcata caaaaacttt taacagttac aacttttaat atttgatttt aaaatcttca 60

aaatagtttg gcacagatag aataatcata atcagttagg atgctccatc acaattaana 120

aagaagactt aatggatgga gcaacgtgaa taacaacaaa ttataaattc aaagatgtgt 180

ttttttgttt cattaaatta gttacaatag tacacttaaa aaaaaagtta caatagtgac 240

taaataccgc caaatttaag gatcaaaatg ttagcttact cattttcttg ataaaaatcg 300

ttgactttta aattgaataa aatattaaat taatggaaga atntgttaaa tntgtttgaa 360

tttggattat ctttacaata gtgattaata taaaatcaag attttataac aatgttttac 420

<210> 15538
<211> 222
<212> DNA
<213> Glycine max

<400> 15538

cctacgcatc taacgctatg ccatgggatt cgttaccact tttatccaat ggctgacgcc 60

tacggatgcc tcctaaaaat gccttatctt tcaatctctc cgctccagat atgctagcgt 120

gtgtacccaa tcctacatgg caatactttc actcctatac tgtttgaaat gtataaccca 180

atgagctaga tatactatgt ccaagatcac ctcaatacct at 222

<210> 15539
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15539

tgtattacat cggtttttt ataaccgact tagattcaaa gatgttgaat cacgctnttg 60

tagtagtgtc aacatgagct cgtcgttcct tatccttcaa tgtgacttgt atagcaagga 120

tagtcataag cgtaggtctg gtaatctgaa catgggaacc atccttagaa gatgtagggg 180

gaggattgtt tgtgaaatga ggtgcgattt ggacagttgg ggtttggttt ttttcttggc 240

cattgttagg gttaggagtt tttgggtctt tgataagaaa agaggttatt ttacaaagag 300

atttatggga gagaggagag agaa 324

<210> 15540
<211> 167
<212> DNA
<213> Glycine max

<400> 15540

ctcgtttgtt aacttttata cccctgtgac tgctaccatt tacttagtca ttctcgttac 60

ttaaaataaa taatttcacg acgttgattg attatcataa cttcgtaaat aattcgaccg 120

tcgcggccga ccacgtggaa atcaaagagt aaaaaaaaat taatatc 167

<210> 15541
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15541

tcttacatag tccgctnttg ctggaccttt atgcttaaaa atagaaacat tatgcataga 60

caaaagatca agatgagtta gtaggttaaa accataaaca acttcaaaag gagaacaatt 120

agtagtgcta tgaacaactc tattgtaagc aaactcaaca tgtggtaaac aagcttccca 180

agtctttaag ttcttcctca aaactgtcct aagcaaagtt cccaatgtcc tattaacaac 240

ttctgtttgc ctatcagttt gtgggtgaca agtggttgaa aataacaatt tagtgcccaa 300

cttgccccac aaagtcctgc aaaaatggct taagaactta gagtccctat cactaacaat 360

gctccttggc aaaccatgga gtctcacaat ctccntgaaa aacaaatcag ccacatggga 420

agcatcatca actnttntac atggaataaa at 452

<210> 15542
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15542

ngccttgttn ggccgcatat gagcaagggt tcgcgaagaa caatggtatg tcntcttacc 60

ggctaatcan ggccttttgg cttaacagac ggcaaanaag aatggttata ccggataccc 120

actccggtat ctccgcccgt cacgtgtctc aaatgtcagt atgacagatc ttgtgagcgc 180

caaagatgac gttaatcttc gcgtggtcac gggttngtcg gccgcgattg acgaaagggc 240

agaagaccat gtcagcctcg catgctatca aggctttcgt ctacagacag gcaaaaagat 300

tgttataccg atacccactc ggtattctcg ccgtcaccgt gctcaattgt atattgacaa 360

cttgtggcgc cgagatacgt aatctcccgt gtaacgggct gtcggcgcaa tgctaaggcc 420

acanacattc agtcttcctg ctttagcgtt t 451

<210> 15543
<211> 367
<212> DNA
<213> Glycine max

<400> 15543

tggcagcatt acaaatctca atatacgttg ccaagtgtga atatggatct tcatttggta 60

aaccatgaaa caaattgctc tggtttaact atatcaataa aaggggtaa gttaaatttt 120

gtgcttgaac ctctaaccgg gtaacacttg aaaaatattg cagcaccgaa atacttgaat 180

aatcttccaa aggcactcat cgagggtgct cttcaatcat tactttggct tcaaattctg 240

cttgttgaaa atccctggat ataggtgaat taaaagatga tgacacagaa aaatgaacgt 300

cttcaaggat tgatgcaact tgtttgtcgt gcaaaagctt tctttttctc tctgtggtgg 360

ttcttct 367

<210> 15544
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15544

ttgcacccct cgccggtctt agcactcgct ccactattac tatcctgcat caccctattc 60

tatctatttg cctatgaggt anaactagac ctaactctca tcttctctaa ttcgggagat 120

acaagaagta ggggtgtctt caaaatgagt tggttctctt gattntctat gccaaaaatg 180

aagtttgtgt gttaaacata aattggctta aattcctaaa tgagttttta ccaagtttga 240

taaacaattt aa 252

<210> 15545
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15545

aacatttgga aagtttgtnt accaagaaat gctactctta naaccaaaat ggcgtacaac 60

ctcctccaat aaacacaaac atcaatgtaa atttaaaaca aactcatgca catacttcct 120

tacgaacatt cactcgcaca agatattctt ctaactaaaa aaaatggccc catgcacaat 180

caaagcacct tcgttaccta gaatatttat atggactttc caggggtatt tgctacctac 240

atcacatgca cttccttggc taaatttaca tacatgcata ctcaaagcat cttggctacc 300

aaaaattgca cacgtgcaca ttcttgtatt tctaatacct atgcatatac aaacttcgng 360

ataatcttgg ctatctacac aa 382

<210> 15546
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15546

gatcctattc gcactcactc gtaccngatc ttaagtcact gcggctgcag cttgctcaag 60

aggtcacgaa gacaggccgn cgattgacta nntcccgccc ngagtacgac agtcaccgct 120

ttatgaacgt ngtacaccag cagcgcttcg aagccatcaa gggatggtcg tttcttcggg 180

agcgacgcgt ccaactcatg gacgacgagt atactgattt tcatgaggaa atanggcgcc 240

cgctgttggc accaactggt acttccatgg cccagtntga tccagaaata gtccttgagt 300

tgtacgccca tgctnggcca acagaagaaa gcgtgcctga catgatattc ttgggttagg 360

gtcagtggat ccccttcgat gccgacgctt tcaccagctt ctgggatttc catggtttga 420

agaaggccag aatgcaattt ggccaaggat gaccggtcga tgggttcata agaggcatcc 480

ccacttgttt ttact 495

<210> 15547
<211> 355
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15547

ttataagcgc nggtctggga gacaagggtc agtgttcgcg atatgcgaag atgatgttcc 60

gagtattttg gatttggtac gaccatgccc ttctgatttc taactgggaa attggcgagt 120

ggaggaacgc cccggcattt acgcgtcgag cctaatggta acctttacgg ttttaaaagc 180

tctatagttg ggcctacgct ttaaaagttt tccttttgtt aaggctttgt gtcttttgtt 240

tttgaatcta taatacaagg atctttcttc atctgttcct ggtctctacc cattctcatt 300

catttgcatg tntacttctt tttctgaaac ggcagatccg atgacgagtc ccccg 355

<210> 15548
<211> 240
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15548

acagcagaat ttagtaatga cccactaacc tataattaaa taacttaatg ccattaacct 60

anggaattaa aacacactta atggctgagt gtaactgata ttgtggcaac caaaagtcac 120

ccccaacagc caacaagtca gccaccattt gggtctccaa aaagctgatg cctatgttgc 180

caattgagcc cttattacaa cttgaactaa agccctttta gtgataaccc aaacatattt 240

<210> 15549
<211> 226
<212> DNA
<213> Glycine max

<400> 15549

aaataactta aagccattaa cctaaggaat taaaacaaac taaatggcct gatgtcactg 60

aaattggtgg caaccaaaag ttacccccaa cagccaacaa gtcagccacc atttggtctt 120

ccaaaaagct gatgcctaag ttgccaattg tgcccttatt accacttgaa ctaaagccct 180

tttaagtgat taacccaaaa catatttttg gtcagccaac tttaca 226

<210> 15550
<211> 413
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15550

aatggagaat ngcactangc aatcactacg catatctcct atactcgagg tggangacac 60

atgaacgaaa aacacattca tggggcttcc aacaaaggng tngataatgg agaattacac 120

taagccatca ctacgcatag cttccaactt cgaggtggag gacacatgaa cgaatacgca 180

attcatggtg cttcgaaaga ttgaaatgga gaattcactt cgcatcacta cccttgctcc 240

aacgcaaggt ggagaccata acgaaaccca ttctgggctc aaaagattag aatgaaaatg 300

tctancaatc ctctcatatc tcaactcgat gtggagaaca taacaatacc caattatgtg 360

ttcgaaaaat ccaatgagaa tttcttacaa tccttcctac tccaactgaa ggg 413

<210> 15551
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15551

tgaatagttc gttcaatctg accatctgtn tgaggatgat aagctgaact aagcttcagc 60

tttgttccca aagcttcatg tagacttgtc caaaatcgcg aagtgaacct tggatccctg 120

tcagatacaa tactagaagg aatttcatgc aaccttacta ctttcttgat atacaactcc 180

acgtagcttt ccattctata cctcatattc actgcgataa aatgagcaga tttggtgagt 240

cgatctacta tgacccaca 259

<210> 15552
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15552

ttgcacctat atggcactca ctcgaccgga tccttagcac tgagctgcgc tgctaaaata 60

gaagacaacg tcattgaaca ttcctccaat tgaacctcgt tagacctgca cacacgcttt 120

agctcaagat ggcattctcg gaagaccatn cacttaggac acagttctgc ctcaagagaa 180

tattcccggc gtggctcgtg ttacccatgc cattcaccaa ctatctcatt tatccagctg 240

ccaagagggg caaatcactt gtgaggcatg atctttatcg gtgcctaaca gttctggatt 300

ccttatgctg agaggccaga ntgcagttgg ccaaaaggat cggccatggg ttgttaggag 360

catccccatt gtggtt 376

<210> 15553
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15553

tctcccccaa ttttctatta ataggggttt atgtgaagtg aaaaagggtt cagcccctta 60

ggcccttctc tctctttcga atttgcttgg aaaaattgtn tccgtgaaga aaattcaagc 120

cgaggcgctt ccgaaacgtt tctgtaacgt ntccgtgagg aatttcgcga aggttttgac 180

cggtcttcga cgttcttcat tcgttcttca cccgtcttcg atcttcaacg ggtaagtacc 240

tcgaaccaag cttttcgatt cattctatgt acccgtggtg gtccacattg tgtttcgagt 300

attntattct cgtttcattt actttntata cnccccttg acgtgcttaa ccattttatt 360

taagtcattt cttgcttaac ctaaaataaa ataaattt 398

<210> 15554
<211> 90
<212> DNA
<213> Glycine max

<400> 15554

aatacttgtc accacttgaa cttaaatatc cctatagact catataagtc caatcatata 60

taatgtctta atttagatat ttctattaac 90

<210> 15555
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15555

cacatgaagt tgtgacagtg atgatcttaa actttgtatt tgtgagagta ttctttttgg 60

aggttgatca tttccatgga gacatcatgg atgggcaagc ttggatatga aaatgcaatc 120

cttcttgtgt tgctcttcgg tacttttatt tatattgttg attgacttac atcttacgta 180

ggttatcttt acaaagttgt ttatgcttat atgtaggttt tgaggaaatn tgagttatta 240

tggtgtagtg tgtgtgtgcc tatatatata tatcatgtca tgttttaaat atggagtcgt 300

gccatttagc ctttgggact tccaatgcaa aaagttataa gtattctaat atcaaataat 360

tgaagagttt aaatgaatta aatgaatgtc ttcacttaat tag 403

<210> 15556
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15556

agcttgtcac tgttatacaa cacactanaa aactagcctt gtatttatta taggatattt 60

ttaangatag aaactaagaa gaggattctt ggtactataa aaattaaata agtaatttaa 120

cttaataaaa ttaaataacg tgtaggtaaa cttgattcaa tgtaattatt tatctagatg 180

caatatcatt ctttaactac ataaaatatt ggattttaat caattattag attagttatt 240

aactttgttt ggatttttaa cttattttat gacttctaaa attattttta attgaataga 300

ataaattaac attaagtagc atcttattat ttgataaaac accgttttat tcatttc 357

<210> 15557
<211> 426
<212> DNA
<213> Glycine max

<400> 15557

atcctatcct tgcggagtgg ccagaaagta ttattatgtc atcattccta tcgagtattt 60

actgattcgt taatttaatt ttatgtatat tgaaagtgtg cttgagttgc gaaagaccat 120

ctattattcc ttaaatcagt tttacattgg taattcggat tgtatgtgtg ttttggttgc 180

cctgagccta tatggaattt gtaatcatga ttttgaagat ttgaagttag ataagaaatc 240

gtgaattgat ttttctttgc ttctatcttg gattattaga tgattatcgg ctcttctgtg 300

gggatcttgg taacgaggtg aatgatgatg ttctctcaaa gcattttcac cgtttccttt 360

ctttaacttg gcacgagtaa gtggattcct catctatctc gagttctcat tatgtttagt 420

tatgat 426

<210> 15558
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15558

angattgatg gggacccggt gttgagagaa actangatat gggctacgtg ggagtacgtg 60

agctcagatg gaggtgggca acaggggatg gtgggtttat tgcgcgcctt gtggatgtga 120

aaaacntgtt gtgcaccatc gcccgaccgc cacctagtac cacatgtgat gggtacccca 180

tantcctaca agcttgagat gaagaagtgt taagggtgaa acttcttgct ttattgtgac 240

cacgagtgta cctgagatat gtccngttgt cacgaaactt gggacgtcaa gtgggtgttt 300

tgcccaaaca ncttgaccat ccgaccaccc cgcctattcg gtcatagaac tttatttcct 360

accggaagct ctggcgcact attaaggaac caaacccaag caggtgtttt gg 412

<210> 15559
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15559

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caagttgaaa gccttggagg aaaaaggtat gcctatgttg ttgtggatga tntctccaga 120

tttacctgcg tcaactttat cagagaaaaa tcagacacct ttgaagtatt caaggagttg 180

agtctaagac ttcaaagaga aaaagactgt gtcatcaaga gaatcaggag tgaccatggc 240

agagagtntg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat cactcatgag 300

ttctctgcag ccattacacc acaacaaaat ggtatagttg aaaggaaaaa caggactttg 360

caagaagctg ctaaggtcat gctccatgcc anagaacttc cctataatct c 411

<210> 15560
<211> 103
<212> DNA
<213> Glycine max

<400> 15560

actcgccgga tccttagcac tgagctgcac tgatgtccca ttatggtatt tgagaatttg 60

aataatctgt ttatgtatgt gctctaatct tcttggatta gat 103

<210> 15561
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15561

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atcatcctac taggacgact gagannactg gggcaaatga agagggtgag aaagagggag 120

aaacccatgt tgtgactgcc attcctatac ggccaagttt cccaccaaac ccaacaatgt 180

cattactcag tcaataacaa acctcctcct tacccaccac ccagttatcc acaaaggcca 240

tccctaaatc aaccacaaag tctgtctacc gcacttccaa tgacgaacac caccttttagc 300

acaaaccaaa aacaccaacc aagaaagtga atttgcagcg agaaagcctg tagaattcac 360

cccaattcca gtgtcctatg ctgacttgct cccatatcta ctngataatt caatg 415

<210> 15562
<211> 138
<212> DNA
<213> Glycine max

<400> 15562

tgcatcactc gccggatctt acacgagctc gctttatttt taagacaggc atgagatctt 60

ctgttccttg agagctatgt cttcttcagg aagattttaa tgatttcaga ttctagagat 120

cactatctgg aatgactc 138

<210> 15563
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15563

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tcactaagcc aggctctggc tggcttagct aaaatgatgc atattaagta cagaggagca 120

tgcgctaagc tgataaggac tcacttagcg ctcacattgc cgcaaggaat tcaacttagc 180

ttccatgact ggcgcttagc ttcatggacc tcagttttgg tcgtacggaa tttagcttgg 240

tgacaatagg tcatgcttag ccaaagataa gctatcactt atcgatcagg ctaaagctta 300

gctgaattca gatcgaattg aagttggctt agctca 336

<210> 15564
<211> 321
<212> DNA
<213> Glycine max

<400> 15564

gggcacattg ggccagctgc cggtcttgag cacggaggtg gacttcaggg gttctagaag 60

gcttagattt ctttctatat gagcatgtga cactggtgga cttgaggatg gaagctatga 120

gatcctcaag tcactcttcc tcttatctta attggctccc tcttttcttc tctggctctt 180

cagctttcag tattggggag tctctctgtt atctggaggg cgcttacctt tctgctcgtg 240

ttctgggaaa cctaggtttg actagacacc ctagcccaga ctctcatcct gtacatgtct 300

ccaacttcta caagggaatt t 321

<210> 15565
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15565

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agcacgaaat tgaaggaata aaagagggaa agaagtggaa ctttgaagtg tatctcataa 120

gactttcatt catcaaagtt acaacaagtg ttacacatgc ttctatttat agactaggta 180

gcttccttga gaagctttct taagaaaact tccttgagaa gcttctttga gaaagcttcc 240

ttgagaagct agaagttagc tacacacacc catctaanaa ctaagctcac ctccttgaga 300

agcttccttg agaagctaga acttacttca cacccttata tagctagctc accctctgac 360

aaaaacatga aattacaaaa aatc 384

<210> 15566
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15566

gttctccact ccagtacatc tcctaaccat agaatattca ttaataatct tactctcccn 60

nnnnnnngat tagccttgac cagctgccgg acttaagcac gcgctcacct aaaaatgtat 120

agtgcatttt tcttcttata ttgccatgaa tattgcatac catacttgca tttccataga 180

aagaaatatc aattatttac atttgtatca atactaatat accaacaaat gcctttaatt 240

tatcgaatgt tctccaaaat aaactttaac aaacctttgt gggcggaaat aacagacttc 300

gcgctaagca caccactaca tgtaacttta tgctcgatct gcctctgatc tcaacctagc 360

ccaattgcaa aacatctttt atttttttcaa aaaaacctat t 401

<210> 15567
<211> 381
<212> DNA
<213> Glycine max

<400> 15567

tgaatgaata gatcctcttt tctatcaagc attttatcgc tatgcaatgg gtccctttta 60

gtccaattaa tcaatattct gtggcagcat tttgttcccc acacggatat tcctctttta 120

gttactgatg cagaatttcc aaaatgtaca aagcgaaaag atgaatttac tttcgcataa 180

caaaaaatcc ggaaaaaaaa aaaaactgtg tggacagatt catatatgca caataaaaac 240

gacacgtgta gataaaaaca ttataaatcc caaaatcaca aatcaaaatc ataatcaaag 300

ccacaatcat ttgggtgcac gccactgctc gttaacgggt atttattaaa tgacaattat 360

gaagaaacta aaaatataat t 381

<210> 15568
<211> 601
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15568

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agtccgccac taacctnnnn nnnnnnncgc gcaccatatg agacancnnc cgnnccggga 120

ccaaaagcaa ccgcagcccc acctaatcct gcaacaagaa acaaccgggt ccaagacatt 180

atgccacaca acgcgatccc ggacagcggt cacaaaaggc acacacatga gaacagccgt 240

ggcccactca ccaacacctc gcgaaccaag acatcaacta ccgaaacaat ataacccaag 300

aatacgaatc ccaagacaag caaacaagtc ggcgcaaccc ccggaaaagc agcccaaacg 360

gaacccaagt cacacgctaa ccggacctcc cctcaaagtg gcccactata agatataaat 420

aaaaccaacg catcccgagc aaaaggacca cacccaaaca tcgcagggga ctacggccgc 480

aagcacaaaa gatgcatacc gggaacataa aaacaacaac tcacacccct caaaacaaac 540

acaaacaaga ggatgaaaca cccagcccgg gagagaacac aacccaatac cgccaaacgc 600

g 601

<210> 15569
<211> 251
<212> DNA
<213> Glycine max

<400> 15569

tagctataaa caatacttac ttagcttatc aggtattaat tattttcata aactagaaaa 60

tgcattagtc cggacaccta attattggat attcaccata attaagaaat ggtggtttta 120

aaattttaaa ggtttataat caagcaatat tggtaactaa ataaaaatat cacacacggt 180

cattggaaca tcagggtatg cgcgaaaata taacatacct gaatatcttg tgcttagata 240

acatttatta a 251

<210> 15570
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15570

tcaaactcaa ggcaacactt cctcggtcca atgtctataa acttaagttc acccttggtg 60

agcactttct ngttctaagt tccatcttca aaggaactcg angtacacaa nggtctgtcc 120

ctgaccatct tctttattcc taagttttat ctgtctagga atacgagtat ttatataacc 180

caanggctgg ccttggtaca gattccttca naaaccacag gtcacccttt ggtcctactt 240

cctgtaaaac ccaagcattc cctaagtcca attacttcca gcgaccatga cgaacaccat 300

caaacgtcta agtccacaac acaactccac caaactattt ggaaagcctt caacaagtgg 360

agtctacttc ttctcaaacc tcaaaaaaaa cttccaagta aacgaacatc ccaaatagtg 420

caaacctcat caatccg 437

<210> 15571
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15571

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ttctccatct tatagatatt gccttaatat aaaaaactaa aaagacagga gaaatcactt 120

tctctcttct agcttttaca ttttttatag aaagaaaatg taagaaataa tgattaggag 180

taacatttga attntgagtt cctccaaatg ccataaggaa aatgaaaaca tgaactttcg 240

tggttgcgtg tatagaagac tatatcactt attgctaatg ctagctgtat gtaccatgag 300

tcgaatntct attccaagct tcatcctcct ttgacagtat aatataaaat caaagggtgc 360

acagtgcatt aaatcattan gtggttcatt caataatatt acgatgtacg acttgtaatt 420

ttcctaccgt caagacgggt ctttctcttc ttaaa 455

<210> 15572
<211> 566
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15572

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aacacnnnnn nnaggcacct tgagcaccac cgaccggacc caagcaccgc agctgcagct 120

gcaccactcg ccaaccagca ggtgcttctt cataacaaca gccacggagg atcctctggg 180

ggccaagtgg caaaggtcca tcacacccca tttaacaagc accgccgcct ttaggagaaa 240

tatttcgcac agaacagcaa ctaacaaaaa tcgaaaacaa acaccgctaa ctatccggaa 300

aggcaaccgc acccccttgag gagaacagta tacatacctc acctgtgaca ctaccggaaa 360

ggaatggaac cccacctaat aggaccaacc acgccctcca atacaatncc acgcggaggc 420

accggaaacc ccacgagaaa gagcaccaat cacattcctc taggtatcca gcgcccaccc 480

ggaaatcaac aacacgccca ataatggtcg caacacccac aaagagcata cagaagacgc 540

agcactcaac aaaggcacag accaaa 566

<210> 15573
<211> 349
<212> DNA
<213> Glycine max

<400> 15573

tcagcaccac tcttaacatt tctgatctaa ctccttttgc aagtggagct gatattgagg 60

aggaggaact aacacatttg agggtcaatc ctcttcaacg ggaaggggat gatgcaatcc 120

tccctaggaa gggaccaatc actagaacca tgagcaagag gctccaagaa gattgggcta 180

cagctgctga agaatgccat atggttctca tgaaccttaa ggtagatttt tgaacccatg 240

gaccaatgat gggtacaatt atctttgtac atattagact acgaattcat tatactcggt 300

ccttgtatat atggctccat attgcaagta tggtgcccta aaatatatg 349

<210> 15574
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15574

gttgtcatat atggacactc actcgtaccg agatctctnc tcacctgagc atcagctgag 60

tgaaacggaa aacaccttct ctctgtgtga caaagtgtcc tgaattgtcg ggtagaacct 120

ggactcagtg gggtatgcca aaccaccttg acatccacca cccggctatc tcatgaaact 180

ggactactaa cagcgagctc tgcagtcacc attaaaaaca taacctcata catgtgcttg 240

gtgtggctgc actttgattt gagggtttgg aattggctct gtatcattcc atggtggtat 300

cttttctagc taaattgaac aggagtaggg gccctgaatc atacaagggt gatcatccaa 360

gctaaatgaa cttacttaat gctctgatta cg 392

<210> 15575
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15575

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aactgggttg cctcccaggg agtgcttctt taacatcatt aagcttgacg cttntacctt 120

attgggcgaa tcaatgaaca gtgtcttgtg tcctgataaa ctccttncca tgatacaatt 180

ttaacctttg gccatttcaa cccatgttct ttccagattc tgagattgtg ggtcatatag 240

ctctattgca ccataagatc gaactttctt gataacaaaa ggtctagaac atgtggattt 300

cagcttacca gaaaacaact tccatcttga attaaacagt agtacttctt ggtcccattt 360

gaattctctc ttcacaactt cttatcgtga tacgtcttca cctattcttt gataagtcat 420

gaagattcat atgctggtaa tcac 444

<210> 15576
<211> 579
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15576

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atcggtaatt aatagtaaga aatatacnca aannnnnnnn aaaaattaca catataagga 120

gcancactcg ncccgggaac acaaagcgac tgcggcatcn agctnggcaa agcaacngag 180

aaaagcagac gggtttatta cttccgatgt cggtattgcg cttctagtcg aggccaatat 240

atttcgacga cgacatcaac caaaccataa agaacttgag ggtcatgacc aaggcaactt 300

aacaacccca cacgctaaaa caaggggaaa tagaaagctg cactatgatg aagacgccaa 360

caggaaaaga taaaggccac aggcaaagca ctacagaaca actattgtag tgaaagcccc 420

aaccactgga aagccacgaa acaaagcaat agtataaatc aacttaatgg catattaggc 480

caacctgctt gaaccccacg tntacttatc ttaaggtcaa cgcacctaaa agaataggct 540

ttgtagtcaa taacagatct ctagcatatc aacaaaacc 579

<210> 15577
<211> 519
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15577

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gacgccagca tctagatttc tcctgagccc gacacccata ttctaaggat tannctgacc 120

atncgcagga gcggtcagcg gtcaaattcc aaccttgagg gtctctatac accatgcgcc 180

ggcatccgac ttacagctga gatgatatga ccatttcgag aggcgataga gatcggtttc 240

caacgccgac agattcgata caccatacac cgtcacacga cagacaagtg ataagctatg 300

gacatttgag aaagacgaga gcgtccacat ttcaatcgtc agcgaatata attaccatgg 360

acccgaatcc gacgtacgag tgaaaagtca tgagatttcg atactctaga gcttccaatg 420

ttcactggct agcgtataaa tatctcacga gtctggaatc cgacagttca agtgataacc 480

tatgaacact tgcatacttc acagcttccg atgtatacg 519

<210> 15578
<211> 540
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15578

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catcataaac tcatatcaat catcaatacn nnnnntnnnt tattgacata ttagcgactt 120

cactcgaccg ggacctctaa agtcactgca agatgcagct tttcctgagc ttcaactnta 180

gccctacggt gtttctatgt tgctcatgtg ctctcctatc tcaataacag ccatctatgg 240

gcatacttct ttgatgttta caatcctttt tgaatgcttg cacttaaact tgtagagtaa 300

atcaatgtga cttgactgtt gctgaaactc accctaacat tcctaagcga aatgggcccc 360

caaactgatg accatttaag cctgctcagt aaatgtctga aacaatggaa atacctttat 420

ttccactgtg tccctttttct aaaacaaacc tgaagattaa aatttttttaa catcaccaca 480

accctcatat tcataacact tggttattga tatttaaaag attcctcccc aaaaaaaaga 540

<210> 15579
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15579

gttagccttc atcagcaagt accaagaaga atantatcta gccatggccc acgagcacaa 60

agtggcgagt gaatatgctc gagtgtacgc ggaaaatgag gctagaggaa gggtgattaa 120

ctcgttacat cgagaggcaa tgatgtggat ggatcgattt gcccttactt tgaacgtgag 180

tcaagaactt ccccgattgc tggccaaggc caaagcaatg gcagacgcct actctgcccc 240

caaggagatc cacggactcc tcaactattg taagcatatg atagactaaa tgggctatat 300

aattaacaac cgctagggag tttggattgt cactcagatc ttgactagat ataactttct 360

gaataacatg agtttatgcc gcttgtntac ttccaaatca ttgcgaatca aatc 414

<210> 15580
<211> 101
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15580

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gggtgaagac attgcangac aacgtactgt acgttatact c 101

<210> 15581
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15581

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ggtcgtggcc aatgaagagg aggaagagga gatcgtgata attttgacaa taatgaatgg 120

aggagccatc aatccactan aagttgtgga agaggaagag aaagaggtag aaacaattat 180

gataaagcat atgaaaggag gtatgataaa tctaatgttg aatgttttaa ttgtcataaa 240

tatggccatt actcttggga gtgtagaaca aatgttgaag agaaggtcaa tcttgttgat 300

gataaagaag ataaagaagt tgaagagcca gcactactac tatcnactta taatggtgag 360

aaggaagaca aatgcttatg gtatcttgac aatggagcaa gcaatcacat gtgtggatgc 420

aaagagaaat ntgtggaact tgatgagaat 450

<210> 15582
<211> 486
<212> DNA
<213> Glycine max

<400> 15582

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ctgctgcatg cagcttgtcg gaaaatgcaa gagaaaatat ctatgtgcat acttgattct 120

aatggtaagc tcttgctgcc tcggaatata tatatatata tatatatacc tatatatata 180

tatctatata tctatatata catatatatt atcgcgacat cacatgtatt ggtccgggtt 240

atggagaaaa tacaacgcca accagataag aattcctcct cttcttcaat ttttttcata 300

aaagcttttg caatgtcctt tagagacaaa aggttgtcaa cctccctagt cgctaaaaaa 360

aaaaaaatct ttatttttct gcacgaaact ctacaaaaat aacgcttgcc taaaaagtcg 420

aatacatttc tcaaagggag agtaatcttc ttctccttgt aaaattactt tcttccacaa 480

acagcc 486

<210> 15583
<211> 208
<212> DNA
<213> Glycine max

<400> 15583

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ctcaaccaac catggaccga accttaccat cgtaaggacc caacttcacc attggtgcca 120

ctcgttgttg ttggccatgg agtcctcgct ctctctgtct ctcggattca attgagttta 180

taattagggt ttaataatca atttcctt 208

<210> 15584
<211> 230
<212> DNA
<213> Glycine max

<400> 15584

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aaaataagac ttggcctatg ctgtgagcac acaataactt ttttcttcaa aagtcttatg 120

gctgctatcg gaagcgactg gcaaaaattt attacaccaa gtaagtactt atctggccat 180

aaaccccttg agacagtcac aaaaataatg atgacggaaa aaaaactaca 230

<210> 15585
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15585

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attatcctgc tttgatgaat agaaagcctt gggaaaatgg agagaatgag aaagatggag 120

gaacccatgc tgtgactgcc gtttctacat ggccaaattt cccaccagct caacaatatc 180

aaatactcag ctaatatcaa cccttctcat tacccaccac cctatcaacc aagaacactc 240

aatcatccgc aaaggccacc cctaaatcag ccacaaagcc tgcctgccgc acatccgata 300

ccaaacacca ccctgaacac aaatcanaac actaaccagg gaaggaattt tccagaaaag 360

aagcttgtag aattcacccc aattccaatg tcgtatgcta acttactccc atatctactc 420

aataatgca 429

<210> 15586
<211> 229
<212> DNA
<213> Glycine max

<400> 15586

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gaaatcatat catatatttt atcaagatat acacacctgt cctattatat gacaattctg 120

ctcctacttt ataataacta tacgtaaaat tatacttaga catataacgc ttgtcctatt 180

tgtttttaaa actaaaaccc ataccaattt gtccaagtaa aaatgtcaa 229

<210> 15587
<211> 401

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15587

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cttcttggaa ttgggatgaa gaaaaagtgg agaagaacgt tcttataccc gctcaactac 120

cctcagaaga agctgaggaa gaagacccag gtgaaccacc ttcaccttca ccacaacaac 180

aagatcaaga actatcatca ccaaagtcta ctccaagacg agtaagatct ttggtggaca 240

tatatgaaac ctgtaacttg gccatacttg aacctggaag ctttgaagaa gcgtcaaaga 300

atgaagtatg ggtctagggc aatggagaag agatacagat gatcgangga aacaacacat 360

gggangtagt aaatcgtccc catgaanaag atatcattgg g 401

<210> 15588
<211> 317
<212> DNA
<213> Glycine max

<400> 15588

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ctggaattta ctcgttttta ccgtgattct gaattgattg tgtaacgtta gtccaccttc 120

ccgtggattg gaatatattg tgagggaaag gattctaaat atcagtgagt taattctctc 180

gctttgcgtt gaattttcga catcgagata ttgagattaa gaatgtaaat gtctattatt 240

gatgtgataa gatgacatta aagaattgat tgattccttt ctgcttttag cttatttatt 300

aaaatattct atgaatg 317

<210> 15589
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15589

gtatgaatca tttcaattat ctctgctaaa cgtcgatgtt ttacangaag ttccctggaa 60

ttatccattt caaaatgaag ttttcaactt ttttattggc atatagaatt ttctggtcaa 120

gcaaagaact tgtgcccatg cctgtgcctg tgtttatatg cacacacaca cctgtgtgtg 180

tgtgtgcgcg cgcgcgcgtg catgcgcgcn agagagagag agagagagag agaattctgt 240

gcttacttca agccaagtaa ctctgcagtc gcccttgaca ccaagaacac cagagctggt 300

ctcatcctct tcccaccagc actaaaaatc tgctcagctg cagacatcaa aacaggattn 360

tctgctccaa caatctatca aagaatcttc atcagataca ttaaaagtta ggcaacanaa 420

atctagtcat caccgtttgc aaagcanaag aatctaaaa 459

<210> 15590
<211> 69
<212> DNA
<213> Glycine max

<400> 15590

ctaatcttct ttcttgttca tcatcaagta attttttttg tgcttttctt tttttgagcc 60

ttttttttt 69

<210> 15591
<211> 232
<212> DNA
<213> Glycine max

<400> 15591

atgaaactca aggggattct ggtgaaaatg atggagatca gatcgctcct tttgctaggc 60

agctcacgaa cacaccagct aaaaagctta ttaggaagca caccaagaag ttgcagtcta 120

aagcacaaaa agggttgctc taaagtcact tccatgttat tggtttttga ctacttaatt 180

cattatgatt tgtgaataaa ttttaattat ttggataaga ttaaaaaatt ag 232

<210> 15592
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15592

tgtgcacata ttgcgactca ctcggtcccg ggatctctta gtcacctgga ggctgcagcc 60

tgtgcttcat attctgggaa ggtggcctta tggtctctat gactggacct atacatttgc 120

tggccaaggt tcattgtcct gcaagtgaga tcctcttata gtgaatattt ttacttcaag 180

cttttaatta ttacatgtnc cgatataatt acacatccaa caccattaca tgttataccc 240

aatatatata tatattttat attagccaga actatatgaa tatcttcact cttgcaaacg 300

gttaccatta atatctcgat gataatgttt acattattac tggccctgaa gaaacctcta 360

cgatcattat ttgcggggaa tccgtaccat ttaatgccat tataacgtta acttttttg 420

ccctgaagga ccttatttta attattacgc tgaatcgttc 460

<210> 15593
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15593

agtgggaaat gatagtgaga ctcaacttgt ataccaacct ttgtgctaca acaatggtag 60

ccagacctag tattcataat gagagaaaat tttntggtta aaaccttgca tcttgtatga 120

aagatggtct ctctttaagt ttgggttaag gcacaagatt tacttgttgg atcgagtggc 180

ctcagaacaa ttaagaaggg gggggtaaat taattattct taaaccttta ctaattaaaa 240

attactcttt taaggctttt actaaattgg taagagaatg aggactanaa gagaaactta 300

acagaaagta aaagcagaaa ttaaa 325

<210> 15594
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15594

ttgaaggcca tttctctctt tgcaacgtac tngctgttaa tctgtctcta tctcataaac 60

ccactcttcc ctaccaatct cctatcactc ttcttcctta attttcactc atctaattac 120

tatttctgac gacaccctat cctatctcac tattcttggt attcttctct tcctcttctc 180

ctctcgagcc ctctttcctc ctaattgcag tgcgaccaat tgtaaagcta cttggatagt 240

caaccttcac tcaactcgac cctaaaaaaa aaa 273

<210> 15595
<211> 306
<212> DNA

<213> Glycine max

<400> 15595

gaaagctaac accatccatt agacctacct ctggtggtcc acaaatcact aattatacca 60

gaaccaaccg acattctggt tcaaacagat cataaaggcc aaaagaccaa ccaagacatg 120

caatggccaa aaacagcaga ggcagtatca tactatcatc aattacactc gaagaaattc 180

acagaagacc cacatattca gatccaaact ttacacgact aagaaagaga tcaacctttg 240

caacccaacc atgtcaagat ctaaccaata ccaactcaaa ttataaaaaa ataaaaaaaa 300

ccaaga 306

<210> 15596
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15596

tgacnccttg cattgctctg gttatttnnt aatatatata tatatatata tatacggata 60

tatatatata tatatatata tatatatata tatatatata tacataantt tatatttatt 120

tattcataaa taaaaaccat agtctttaat attttattct atcgtgaaat atattcatat 180

atttatgaga gaaggcgata atcatatttt tattcgaggt attttatctt aaagagtgag 240

gatatcacat gtttcttgga acgttttact cgctccagca ataatggggt gcaccatctc 300

tggaaaaata atcttctcta aaaaactatc cctcttaatg atttctgggg ggacccacct 360

tcatattcaa ctggaaaaaa tttcattttt atgacccagg tcttttaact ataagccgtc 420

g 421

<210> 15597
<211> 299
<212> DNA
<213> Glycine max

<400> 15597

tacatagttt tttggttgtg catgaatggg ctcaaaacaa atcattttca aagaaggtgc 60

atttttttaat cgacctcatt tgtttgaggg tgaacattct tcttttttgga aaaaaaaaat 120

gaatttttttt taaacaaatt atcccagtgc atggaatgcc actattaaag gtcctttcat 180

tcctataaac aaataaatgg tgaattagta cctaaagaat gggatgaaat gaatgatgac 240

tagaaaataa aagtgccaaa tgatcaaaaa gctaaaaaca tttaaacttc tggtttatc 299

<210> 15598
<211> 341
<212> DNA
<213> Glycine max

<400> 15598

tgtccttttg gcactcactc gtccgggatc ttaagcactg agctgcactg tgattgctta 60

cgagaagact tgtggttaaa aagcaatcga ctctgcttgt aatgcaaaaa aaactaggaa 120

tgaaagggaa agtggaacca tgcggatgca tcttcaccag ttccccccca catgtatact 180

acataacacc tctctacccc gcctttgaca agcttctaat acccagatgt cccattcatg 240

cacatactac catcaaacct ccagaagatt tgccaaaaaa ctggataccc atccggcctt 300

tactgtctgc cccatagatg ggccaacctg ttgtctattc t 341

<210> 15599
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15599

gacttttcca tatacacctg aacaatatgg tacacctgaa agaaagcata gacattggac 60

aaaaactggt ctcactcttg tggcttcagc ttctctttct tgaaattttt ggggagagtc 120

attcaacact gcagctacta taatcaatta tcttccttca cctgccctta acaatatgag 180

tccttttgaa aaattgtttc ataaanaacc agattataaa gtcttgagag tgtttggatg 240

tgtntgtatc ctctattacg accttattaa taacacaaac ttgactttcg gcacacatgt 300

gcctattcat tggtat 316

<210> 15600
<211> 203
<212> DNA
<213> Glycine max

<400> 15600

cttttgcatc actcgccgga tcttatcacg cgctcactac atccaccacc ggctatcttt 60

taaacgtatg gctaaagcac tctgcgtcac aatatagaca agacccaaca ggagctgttg 120

gggttgcact ggaacttatg tatatggata tgcttgtatc atacaagtgg tatcatacag 180

gctaaggaac ttacttaatg ctt 203

<210> 15601
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15601

atggcttatt ccctaatgga tggcgcctcc tttcacctct tctcctttgg cttccgctgc 60

atctccatgg tgaaaaatct ccattaaagg acctcatttg aactcaaaga tccagccttc 120

atagaagccc cacaagcaag cttccatcac attcctacac gggcaaattt cccatcagcc 180

caacaatgtc attactcaac caataacagt ccctctcacc caatcatcca taaaagccat 240

ccccaaatta accacaaggc atgcctgctt accaaatgca caatgcccaa acaccaccta 300

tagcgcaaac caaaaaggaa ttttgtagca naaaacttgt atgattcacc ccanattccg 360

gtgtcatatg ctaacttgct cccatatcta cttgataatg caatg 405

<210> 15602
<211> 750
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15602

acgcacacca ctgccaccac gaaccnacca cctaacgtga cactcncaca gctacacgca 60

ccacgacgac gaacgacacc atataacann nnnnnnnnnn ggtgtgaccg atctagcaac 120

gcnaacnnnn annngnngat acatgcacac cacaagctgc atgcacgccg cgaagcatgg 180

tagagcnacg cagactccat atatgcttgt gctttctaca cacccgcgaa caacccacac 240

ccggcggcgc gcgcgcgcga acgcantaca acaggacccc cacgccanca cagacaangc 300

accccacact acacacaaca agagaggngc gacgaccacg acacacacgc acactcgtcg 360

actcacgatg cacaccgcac gacaacacta tctatatcgc gcacaccaac acatatcact 420

actactgtgg cacagaccgg gngaaccaca cactcctatg cctcggcaca cacaacacta 480

cgccggacct ccgcgcgcac ccacacgcag taatgcacgc cgccaacgaa cccgataggc 540

aacgacgccg aatcaccgaa ccgctgctta cacgctcgga tcacccgcgc gcgagacaca 600

cacctancac gagagacaag cccggctaac ccacacaaaa cataccgacg aggcgtgaac 660

agaccgcggc agacgactta ctgcacactc cactctagct acccacaatg cagcaacggg 720

gcccacaccg agcacgccca cacggagccg 750

<210> 15603
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15603

accattaatt gtgccctgct gtgaaaatat tttctctttg tgtgtcgtcc agtggctgca 60

tctgactttc caagaacctt cttaccatta gcatgtcacc ttgcatggct tnnctctcaa 120

gctctttttt cacgtcttct tcttcactaa tttcagaata actggtgact ttccatgggg 180

accggacgaa gttgcttctt tcttcctgga gctgtnggtc cattctagtn gaaattggtg 240

gatgaattcc tttgtgctgc aactttcctc ttcacctgct gttcacccgg actgtctatg 300

cagcangcat ccaattcacg tcttntgtat tcaacatatc tctatggagg attagacatt 360

aaaaaagagc cttgtgcctc acttctttct tgtggtctac taagcctccc attattgaga 420

ctctcc 426

<210> 15604
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15604

tgacatgagg aagtgttgaa gggtgaaact tcctgcttnt attgttgacc acagagtggt 60

acctggagat atgtcgcggg ggtcaggaga ccttggggac atcatgtggg gtgctattgc 120

ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180

tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa 240

agcaaggagg cttgtggtgg ctggccagct gtgaaacttg attgatatgt gagatgtggg 300

ctctggtaat cgattaccaa gggtgggtaa tcgattacag agcttaaaaa tgaagacagg 360

aggctgagat ggtctctgta atcgattac 389

<210> 15605
<211> 105
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15605

cgagtaatta ctctatatta gtggtagtta gttagttact ttcatttgta caaacagaat 60

atagtactta ttgtgcaagc ttcctcnttt ctctcttttt ctctc 105

<210> 15606
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15606

tcttcccttt cccatgaccg gcattgtcaa agatcctaca catgttggtc aggtgtacaa 60

agttatggat accatgacaa ttcaccatca tcttcacttc tagttggagg ccattgataa 120

acttcacaca tttagacctc tccctagctt ccccctgata atgaggaaaa taccttacca 180

ggttctcaaa cctagctgca tactctgcca ccgacatgct cccctctttc gactctaaga 240

actccatctc tttcctatnt ttcacgtctt ctggaaaata cttctctaga aaagtgtgtc 300

tgaaagtccc cgatgggaca atagcaccac ctgctccctc caaacgtgga cgagtgttct 360

cccaccagta ctctgcctca tctgccagca tgtgattaga aaacaacacc tttttctagt 420

c 421

<210> 15607
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15607

nngttcacga agccatcgtc aatatgctca ttttggtatt tcttactggg ttattatgca 60

tggaattcat ctcttagaag aatatgaatt cagagaagct tgatttcttc tagtgtaccg 120

gcccttggtc tctggtacct aagtttgcta cgaatagcac aggtgaagcc acatattgcc 180

ngagaacatt gngaaaagtt cctcggccaa catacatatt taaatttatt cctatataaa 240

ataagactca tacgtnttat tttcttccta tttcttaaac ttttctcact ttttttttt 300

attttaccct cagatcaatt aaatgataat acctgctgac tcactctgag gagttaaact 360

atgatttatc cgacccacca ctaccagtcc aggttcacaa acctttcttg tgg 413

<210> 15608
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15608

taatcttcat gatataccaa gaacaagaca tactggaata ttggtganaa ataaaatcat 60

aatctaaaag ccttatggaa ctaacctctg aagcaggact aaaatgtgtc ccagtacttg 120

ggaaacaatc tctacatctg atttatcaac ttggctgcct atgactgtat acatgaaaaa 180

agtgattgaa aggtttagca aatgtattta ttctattaat caatacacag catanagcaa 240

aataaatntg tttataattt aaccaaacat agaaggtaca attagaatag tggatcaaat 300

ggaggacagc ctgataatat tgttcaccac aagaaatttc attgcaagat tattggaatc 360

aaataaatca actcatagtt ntaactataa cagctaacaa ggtcaaaata ct 412

<210> 15609
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15609

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atggttttgg catggaaaat cttatttctt atatataacc tattagaata atgatgatac 120

aatgttttga cactatatat ttgtntgcat tttaattttg ttccactaat ggaagttgat 180

gtccttcaca ttaatgtcac cattgaagag cccatgttgc tctatgtcgt gctcatttga 240

cttttctaat tatgtgatct tgatgccttc aagaattata tatattttta tgtaaaagtg 300

gtttttggat cctttgacca ttatgacttt actctaatgt gtcatattag ctaataacta 360

accatgactg tggatatgag cgtttatgtt tttttagcac tatctttgta attatcaaat 420

a 421

<210> 15610
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15610

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aacagaataa actttcatat ggattntagt cacagcccaa caattcacca ccttgaacta 120

acattcatat aagacacaaa ctgcaccctc caagcataca cgaactcaac cctaacaatc 180

aacattgagc aagcttaagc agtgatcaaa cttgctcttt ggaactggct ttgtgaacat 240

atcagcaaga ttgtgcagag tgttgatctt atgaactttg attcttcttt ctgaccgaat 300

gaagtgatat ctaacatcta tatgcttggt tctatcatga taaacctgat ccttggccaa 360

gcatatagca ctaaggctat cacagtagat gttagcatat tcttgattaa ttccgagatc 420

atttatt 427

<210> 15611
<211> 273
<212> DNA
<213> Glycine max

<400> 15611

actggtttaa gtgggccaga ttctaagagg gggggggtga tagatatcga acttttccct 60

attaaatcat tactttatta gttgattcct atgcatcttt aatttaatca atgggcactt 120

gattgattta gatataatag ggataggaag aatgactcgt tatcggtcgc cacctggctc 180

gtcgccacac cgtgaagtcc tctgaatctt cagttaacca gcccctctgg tgaatttcaa 240

gaatcgccta tcttagagga gaaagacact ttg 273

<210> 15612
<211> 397
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15612

ntgatttcct ttgttccgga aacctttctt ttctcatgtg cttccaaacc caatctccgg 60

gttcgaagac aaccttcttt ctccctttgt tggcttggtt agcatagctt ttatttttcc 120

tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc tttgcttgac 180

cttctttatg cttaaaaaca gaaacattag gcataggcaa aagatcaaga ggagttagtg 240

ggttaaaacc ataaacaact tcaaaaggag aacaattagt ggtgctatga acagctctat 300

tgtaagcaaa ttcaacatgg ggtaaacaag cttcccaagt ttttaagttc ttcctcaaaa 360

ctgtcctaag caaagttccc aaagtcctat taacaac 397

<210> 15613
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15613

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tcatcacaaa gttgtttgac ctatgggcgg ggcacatgat ctacagcttg gtgcatggac 120

aagactatga acatccatgc agcttgggtg atgaagttga ccatatattc atggatctac 180

cgtncaagca atctacaact ttcaaaagat gccacttcac cgagataatg gcgacccgtg 240

atgttgttat ttgttattca tacaggttct ggtcccactt ctctcaacta tgcacaacct 300

cccaccaccg tactcgtgat acagtggaca catgattggc catccataga atcttttgtt 360

aatgctacgg cctnagaant agcaattctt gcttctttca caaacaatcc cacttaatct 420

tatactactg ttgccttttg caacattcac acttcaatgt tttgttggg 469

<210> 15614
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15614

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agtcttcttt tccattgttt attacaaaac atttgctacc aaaaacatga agatgtgaaa 120

tgtttggttt tcaaccattg aacaatttat atggggtttt ctttaaaatg ggtcttatta 180

aagccctatt catgatatag catgcagtat taacggcttc agctcaaaaa tattttggaa 240

gaggggtatc atttaataag gttctagcaa tttcttccaa agacctatnt tttctttcaa 300

taactccatt ttgttgaagg gttctatgtg cagaanagtt atgttcaatg ccatgctttt 360

cacaagataa atcatattct ttattttcaa actcaccccc atgatcactc ctaat 415

<210> 15615
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15615

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nggtaatggt accaatacca ataccaattt tccattntaa ataggatatc tggtaatatt 120

aaatattgga tattagtatt attggtatta cccatgttca tagactattg gttttcattg 180

agaatggtca atctggttcc ttggggaatt tgtgaattat ttcttttgtg ataattgaca 240

cttggctggg cttaattttt gactatggac tacaccctgt ggttagtgat agtaagactt 300

gaggaacatt tgagaatcag aatcttagtt ttttttaatg attgttgtgt aggtcattgc 360

tattgatgta gacctgactt cctataaata agtttttttt ttttaatatt gtgtngctat 420

atataataat attattatta cttataggtt ctgcgactgt gactgtacat ctaat 475

<210> 15616
<211> 458
<212> DNA
<213> Glycine max

<400> 15616

ctgtccgatg cagcagtaat gatggcccga gttatgtttg ggaaccgtta ccaacccgga 60

atgggtttag gcaaatacta ccgcggcata actagcctga ttaatgccca aggaaatcgt 120

gggaaatatt ggttaggcta taaacccact cacgccgata taaagaaaaa ccttccggga 180

aaaaaaaacc gtggtcaaaa ctcgccggtg agacaagaaa gtgaaggaag cccgccctgg 240

cacataagta gaagcttgat aagcgcgggt ctgggagacg aagggtcagt ggtcgcgata 300

tacgaagatg atgttccgag tacatttgat ttggtacgac cattgccctc tgatttccag 360

cttggaaatt tgcgagtgga ggaacgcccc ggcatttact caacgagcat aatgtaacct 420

ttacggttta aaagctctat agttgaccta agcttaag 458

<210> 15617
<211> 196
<212> DNA
<213> Glycine max

<400> 15617

atagacttca atgccccaaa ctatgtgtat gtaatgtcaa caatttaaat tgctctttat 60

actcctcaca cttcacgcaa ttcaccaact ttcagacact actggaaata tataacatga 120

ggtacttaaa cttgtgacca gccaagacaa tgtacactag aatatctggt aagcttgcta 180

cctatatacc caccta 196

<210> 15618
<211> 330
<212> DNA
<213> Glycine max

<400> 15618

aaaacgactt atgtggggat ctctctgaaa ccatttcaga aaattaaata cattcttact 60

catttcttat gtgagcacat aaatgaatta tgaagtttta tttatttttg ttacctatta 120

acaaaattgt ccacttgata tagcttcagc aagaccgctt ctatttttt agtttttaa 180

atagtgcctt ttgtgagaaa gtggaaaatg atcttgtttt tatcccaatg aagcgtgggt 240

atagcaataa atatagctgc tctaagtact ctatggagag agtgtggctg tcatacaaca 300

acaacgcctt atcattttct atatttcttt 330

<210> 15619
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15619

agccanatag acttacctng actnanntnn ctttgatagc ccttttgagc cctggtntnc 60

ctttccttng ttttgaagct cactacangc cttaagtgan aaccatgata tcaccatatc 120

cttaanggaa tttggagctt tggaattgtt ttggaataag ttgtggggtt tntgttcatt 180

ggatacatgn tttgtggcca tgcttcatga atatttnanc nctacttgat gacatccata 240

ttggtaaatg ttgacatgct aatatgaatg tgttctcaan ggtacagagt acananaaaa 300

ttattataaa aaaaatcgaa aagaaaaaan acagtaaagt gagtgataag atctaatgac 360

aataatgata gactcttgtc tatcttatgt taaaaatacc tacttcttta tatctaagct 420

c 421

<210> 15620
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15620

agatgatgac aaaagagctc ataagtcaag aacacttcat gataacaaag atgatgatct 60

caagaatcaa agaatgagtt caagattgaa tcaagaacac ttcaaggttc aaaaggaaat 120

ttgatttcaa gaatcaagaa tcaagtttca agattcaagt tccaagaatc aagatcaaga 180

ttcaagaatc aagagaagac tcaatcaaga taagtattaa caagtgtttt caaaaactga 240

gcagcacatg aatttttctc aaaacctttt accaaagagt ntttactctc tagtaatcga 300

ttaccagatt attggaatca attaccagta gcaaaatggt tttcaaaaat gacctttacg 360

acggtgaaat cgtaaaacca tactcggatg act 393

<210> 15621
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15621

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tgggacaccc aacaatttcg tatttttcca tttgcctttc gtatgagatg aatcgacacg 120

aatcatcttg atccatatga gatgatctat ataagtctaa ttcaaggttn tttttggtgt 180

ttctaataat tgggacgaat taatttaaaa ttaatgggcc caacaaaaat cacacctact 240

ttcaagttat tagcccaacg ctctacccac tgagctaatg agtcattaca ttataacaat 300

aaatatggtg gtatacataa caacttaaat tctaatgtta tttatgggca tgtaatttaa 360

ataataattt ttggcaataa ttttgtataa ctcatcaatt attaatctgg ttatgtttaa 420

aaataaaaaa attactatt 439

<210> 15622
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15622

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cacaatttct taccaccatt attgaagtct acgacgctta gctccaggct ggcagcttaa 180

ccagattcat tacaggcatg tgagcgctaa gtgagtgcct cttaactaag cacatgctgc 240

tctgtactaa aatgccttat tctaactaaa ctggccagag ccaggcttag tgagaagtgc 300

aacattttct aatctgcaga ccttgctaag cggactcacc ctcgcgctat actgagtttc 360

tgtcaataaa aaatgatgtt gaatttgaaa cgtcagctaa tcgcgcggat tcgctaagca 420

caggtcttga gaaacaaacg tacttctgct tagcagacat ttcgctagtg caagtgtcaa 480

aatcgcttgg taagtgaact tcg 503

<210> 15623
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15623

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atgcangctn gcttctacag tagagacact catgtatctg cttctgtcca tggngggtgg 120

cccgccgctt gtgaactaaa tgctgtatat accacttcac acccaatggc caacccaatt 180

aactttgccc aaagtgggca gtggtgcggc ccgccgtnct aattgtgcgt caaccttgcg 240

cctgctaaga agtgaatact tcttcatgaa aagctcggtg atcagccgtc ggattacctt 300

09/15/2004 15:20 #5

gcttggggtg acaagaactc ttatacttgc agaggccctt gatantgccg gaaccccagg 360

ccctgtggac tttctgggct ataggagcct atatgcccat tcttcaacaa taaatggcta 420

gcattcacta gcacgtgaag ttattcttta gatggatcac caatgcctta gcacggaggc 480

ggattgagtg ccacaag 497

<210> 15624
<211> 366
<212> DNA
<213> Glycine max

<400> 15624

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ttttggtgag gtagccatgg aaaagcagag cgtttggaat ggtttatcca atttctgaga 120

actgttgggg gatgctgaaa acgagattat cacgaatata taaatttgaa tgaggaatgt 180

aaagggccgt gtgaaacaac ggtcgaattt gctttggttc agtagtgaac gtgctattaa 240

tgttatgtga ttcgtttggg cacgttcaga tatcagtagt tgctacaatt tctctagcag 300

aacaatgccc aacttgcccc ttcagttttc aaactggttt gcatccaatg cctttgtgaa 360

aatatc 366

<210> 15625
<211> 314
<212> DNA
<213> Glycine max

<400> 15625

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acatgcatta agtgaatatt tgatgtgttg ctggaaataa tttattgatt gggaacccat 120

cattatttaa gggaggactt gtggtcccca tgcaatatta taccttggct gctatgctaa 180

tgcctacaac tagccaccta tgagaatctt gacttgatct tgattatgtg ctaacatttt 240

taaattaagt attataatat tgaattttgg tcaaaattgg ctttcaattt atttcaaatt 300

cagtgaaatt taat 314

<210> 15626
<211> 420

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15626

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tcacctcttc tcctttatct tctgctataa ttccatgggt gaaaatcacc attgaagaac 120

ctcattgaaa ctcaaagatc caacctccat agaagcttct taagcaagct tccatcagta 180

ggcttatttg gctagtggct aaaagaaaaa agggctaaat catctcaata aatgcatgtg 240

ccacaaggaa tgacaagaaa agcaaggaat aacctagagt aatctagcac gagggtgaaa 300

tcacacatta tagaacatga atggtataat gcnatccatc ctacaaatcc ccaaaaactc 360

acaaggaagt tattcatcac acatgatcca ccctcacaat ttcaagctta tttatcactt 420

<210> 15627
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15627

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ctctacnggc tatcaggctc tttgtcttac agacagcaaa aaagaatggt tattaccgga 120

tacccactcn ggtattctcc gcccgtcagc gtgtctccaa tgtcagtatg acagatcttg 180

gagcgcaaaa tgacgtaatt cccgtggcac agcttgtcgg cgcgatgaca aaagcgccaa 240

gagatgcagt cttccatgct tcagcatttg tctacagacg caaaangaat gttttcggat 300

accctcggtt tctccccctc acgtgctaaa tgcatatacc atctgtgacg cgaaatacct 360

aatctcactt gacggcttgc ggcccatgac aaggcccaaa acaatgcttt tcatgttt 418

<210> 15628
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15628

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gtgcttgaac ctctagccgt gtaacacttg agaaatattg cagcaccgaa gtacttgagt 180

aatcttccaa ggtcactcat cgaggttgct cttcagtcat gacattggct tcaaattctg 240

ctgtttgaga ttccctggat atatgtgaat tagaagatga tgacacacaa aagtgagcgt 300

cttcaaagat tgatgcaact agtttgtcgt gcacaaacta tctttttctc tctgtgttgg 360

ttcttctaaa agtggcttca atttctaaat ccaatgaaac caattca 407

<210> 15629
<211> 132
<212> DNA
<213> Glycine max

<400> 15629

tcagctcgac cgggtcctta gcaccgagct gcgctttcac cgtatgggat gagatcacct 60

gtgggacaca atggggaccg aacaactacg tctttttaac aaacctttga acggctacaa 120

actgggcgga aa 132

<210> 15630
<211> 101
<212> DNA
<213> Glycine max

<400> 15630

gccacccatc aaatgtgagt ttgtcacaca accattcccg gagggtgagg gatgatgtgt 60

cttcatgcac cggaagcgaa agcttgagac acaaatcaac a 101

<210> 15631
<211> 428
<212> DNA
<213> Glycine max

<400> 15631

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tctacgcaat gaagtgtgtc aattattgag ataaatttac tctaagctat aacatcaggg 120

aaacataact ttcttaagac cacaatgact acacctattg atccttaatg gatcacaaaa 180

cactcctaag tatttcctat tctggtatgt gcacataacc attaaacaat actccatatc 240

taattctaaa tccatcttga tctcttattc acttgtgcag cttctgttat taagttatga 300

gataaataat gataaaaaat tgaaagactc tctaaaaaca ctcactatga ataataagag 360

taattggtaa aaaacaaata tttgtgattg ttaaaaaact tattacccca aaatcaataa 420

ttagtaaa 428

<210> 15632
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15632

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gaatttttctt tgtttgcttc ttccccataa accacattta accaggttat acaataataa 120

catcgatttg aagataccta ctctccaaat tacaccctaa acctgatatg aaacgttagt 180

atcaaaagac tagtagtaac tcctactgta tggatatcac atcccaaaac tgatcctgct 240

tttggaaaat aatatgcatg attaacaaat agtaattccc tcatatacat tcaaagggat 300

attatactat ggaaaaatat tgatttagta tcctgctttt ggataataat attcttatac 360

atccaaccct tcatctgaat tatcacttat cagccatctt agttcagtt 409

<210> 15633
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15633

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accatattga tcaatgatgg attatctctt ggtaaaattg acgatgatac atgtgttcag 120

cttatatact atcaactgtt gatgcccatc ttactaacaa acaatacaat taaactggta 180

ctggttctca ctcgcattac agagaacaag ctgtgcataa ctaaattgat atgctgagaa 240

tatcctccag agatataatt atgtgtcaat cattgatctt ttgggggggt gtgttgctga 300

acacaacaat cactctggcc tcacngacac atatcatttc ttgcaggcag agataaaatt 360

catcacaggc aacgggtcta aatgaattgc aagcattcca ccacatgaac atgattttca 420

cacttatatt gtgagacaga tgctactttt tgcctataaa aacatcccat ttggtatcaa 480

aacttattac gactatn 497

<210> 15634
<211> 358
<212> DNA
<213> Glycine max

<400> 15634

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ttattgcctg agaattaaga aaataattac cactctcaat aatttgatca gctaacttta 120

atttaaaaaa atctaactgc gtgtttcttg ttttttaaaa tcttgaaatc aagaattaaa 180

aataataatc atccactcat ccttttttaa aaatgaaaca gacaaaaaat tgactggaga 240

aagtgttata tatctaaatc cgctgacgaa atttgactaa aaattaaaca gacctgatca 300

acgtcaatta acggctggcc acctttcttc tttcttcaca tgattagatt agagagag 358

<210> 15635
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15635

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ttttggcata attatacgaa aagccccttt cattcagggg tcgttcttaa ttttcacctc 120

ctccaggggt ttgtactaat taaccatttc tgggtaatta catactgctt cttaagcttt 180

ggggccccaa attggcatgg gcatttggct ttttatactt tcctacccac ttatgataat 240

ctgctattca cataagggct ctttatgctt ttttcagttt tgttctaaac cgatcaaatc 300

aactatttcc ttgtgctaaa tggttcaata aacgattttt ttgatatgtt cttactacat 360

gcactttata ttatttttgg aacatttgca caaan 395

<210> 15636
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15636

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actgttctcc cttcccgcga tggctctttt catgtccgcc tgagtgggct tatagcctaa 120

accatacttc ccacgatttc cttgggtttt tatcaagcta gttatgccgc cattgtcttt 180

gcctaaaccc atcccgggtt cataaccgtt ccccaacata actcgggcca tcattaccgc 240

cgcatcggac agacaaggtt gcccaaagag ggagtccacg gaggaaatgc tgaccacctc 300

aaaagactgg aaagcggttt ctaacgattc ttctgcggct tccacataag gcatggagga 360

tgggcagctt accaagatat cttcctcgcc tgacacgatg accaagtgcc cctccactac 420

gaatttcagc tnttggtgga gtg 443

<210> 15637
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15637

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ccaatgtttc agccttggaa tatatttatt gaaatatcat atanggatag atataaggag 120

tgtcttatgg acctaccatg gcttggaatt ctattctatc aaacccaatg aattcttgta 180

aggtgaagac attgcaagac acctactgtc cttatactct gccgcagaat agagttgttg 240

aaagaatgaa ccaaaacttg gtattcaatt canggtcgaa taannatttc tanggtgaag 300

tggtaacaca tgttatctcg tgaatcggtc atcgtccact ggcatagatt tcaagatacc 360

tattgaagga ttgtctaacc aaccttgtga atactcatag ctgaagtgtt tgagtgtcca 420

ccataatatc atgtatgaga aagtaagctg gaaccctaaa gccaaaaaag tgtcttattg 480

cctattgaaa ggagtcaaag attataatct ggtgccct 518

<210> 15638
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15638

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ggtcgtggcc aaggaagatt atgaagagga gatcgtgata attntgacaa taatgaatgg 120

aggagccatc aatccactag aagttgtgga agaggaagag aaagaggtag aaacaattat 180

gaaaaagcat atgaaaggag gtatgataaa tctaatgttg aatgttttaa ttgtcataaa 240

tatggccatt actcttggga gtgtagaaca aatgttgaag agaatgtcaa tcttgttgat 300

gataaagaag ataaagaagt tgaagagcca gcactactac tatcacttaa taatggtgag 360

aaagaagaca aatgcttatg gtatcttgac tatggagcaa gcaatcacat gtgtggatgc 420

aaagagaaat ttgtggaact tgatg 445

<210> 15639
<211> 87
<212> DNA
<213> Glycine max

<400> 15639

ttcaccactt cgctatctgt tggggagttg tgcttggtag gctaagacgt tgagagactg 60

ctctaagcag tgtgtaatta gtctgga 87

<210> 15640
<211> 210
<212> DNA
<213> Glycine max

<400> 15640

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aggatccaag tgctccgatc atccatttgc atactcatgg tttgggggca tactcacccg 120

tggttatttc tttaggaatt tcattcataa ctaaaaaaac accaaggcac ccctataaca 180

ctccatccaa aaaaatggat aatgaaaaag 210

<210> 15641
<211> 195
<212> DNA
<213> Glycine max

<400> 15641

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ggattctgat cctgcaatgt atgttcttaa tggaaatctt gtgaccgttc tggatatctt 120

gggatggcca agaagtccac atgcaaaacc atggaaattg aatggtggct gaattatacc 180

tgatgctgac gtttt 195

<210> 15642
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15642

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gacctcagac aaagatgatt cttgatggct cagcaagagg tactattatg tctaagagcc 120

ctaaggaaga aattgtaatc attgactcta tagaagccac tgattatcag agtcaccatg 180

atagggctct ggttcaaagg aaagttataa tggagccaga tactcagaat gtaattctag 240

cttagaataa actcttgact caacaaatag aagccttaac aaaacaaata ggccaacttc 300

cttaataatt tgagtagggt ggatcacaga anacatacca agctcatcaa gtacaaaaag 360

ttct 364

<210> 15643
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15643

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cagctcacac atgtcttctc attgcttctt ccctatcttt ttgatgcaat ttgaatggac 120

tccaactctt cctgcgttta gatgtctcgc anaagagacc agatgccaga gcctgctcaa 180

gccacaagtc aaatgcctct tcttcttctc catcatttca gcatcaaaat cccacgggaa 240

tctacttcag ttgcaacgtt ggcttttctc caagccaacc atgtttacat ggaaactcgg 300

tcgatgggta tatggcctgc agccattccc tgcagaaata aaaaagctgt cggttcataa 360

tggagtaaaa atgatgcttc ttatcataat tctctatttt acacagaaat accactacct 420

acataagaga caaaaatgga cccactgaat ttattgccag ataacaaaat tcctatattt 480

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<210> 15644
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15644

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atttaacttt tctttatctc ttcttcctac tctttagaat agaagtgtgg cattgtatct 120

gatctccatc tcttcgccaa actagcatcg caatcaacat tggaatcagg gatggaggat 180

cttggcgact ttctctgtga ccaccaaatc tttgtgtntt aagtctccaa cgccgtgtgg 240

gaggaataag tggttgaaaa aacggagagg atagtggaga agaccctca 289

<210> 15645
<211> 63
<212> DNA
<213> Glycine max

<400> 15645

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ctg 63

<210> 15646
<211> 328
<212> DNA
<213> Glycine max

<400> 15646

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aaaaataaac agagaaggaa aattcccaat gaaagagaat aaagaataga aaggaaattc 120

ccaatcaaag agtgggagaa agcaaaatga aaagaaagaa aattcccaac ctaagaatgg 180

gaaaagtaat aaaaaaagaa gacactcccg gcaaagaaac tataagaaat gtgcaaaagg 240

tcttttgacc agacaatatc tgaacaatac acaatttgtc ccacatgaac acaaaaggaa 300

tgagatgaaa ccacgaccta aaatggtc 328

<210> 15647
<211> 364
<212> DNA
<213> Glycine max

<400> 15647

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gaaccatatt ttgcgcccaa gcctattaca aacccatatc accagcaaca ttccgtatat 120

tactgctgtc caaatgtgct gatacttgag gtacaccttc ctacccaccc agatacacta 180

cgcaatttag tggaatatat gaactcaatg gagcgttcag cggcttgaaa aaccactcaa 240

atgcacattg ccacattttt tagtgttaag gtgaccctta tttgctattc cacaggctct 300

actttgtgat caaatttcaa atttgaaaaa cttgtcttca tgccaacaga acttttaact 360

tctt 364

<210> 15648
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15648

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acttctccaa ggacgaaaaa ttgctacatg atacattgtt gttgaaatcc ataattcgtt 180

tatctatttg atgagatttt cttgctgcct aattgtgtgt gtgtagttaa ttaattattg 240

aattcatgca atttaattgg tctagtttag gaatactatg tctaatatgc tctagccttt 300

ctggcatgtc att 313

<210> 15649
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15649

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aacttgtntc tctgtctcan ggaattatgc caaggaccaa cggtacaggt ggcttctgtt 120

tctttatttt attcaccaaa ataacttgag tagtttgaat gacaccagcc accgaaactt 180

gacctttgag aacacatctt gtcacaccac taggattcgc ctactcagca ttcaaaagat 240

cttcattacg tgcctgtcat tcattatatc cagttcctcc attcattgtg tctaatcttt 300

cccgacgaca atagtctcca ttcacttccg gcatatattt ggcaattgga tatttgcaag 360

gttcaaagga gttgctngcc accgattcat tgtgcaaccc gcttactata tgtaaaaagc 420

acttccaaag tccaaaccag gtcaatcttc cttatggaat taacctttt tattgtcctc 480

g 481

<210> 15650
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15650

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gtaattacat attcgagatt cacactcaac tatagatttt aatagaacaa ccttacatat 120

attaatacac atgtttgggc gtaaaagtga ctattattat tattttaaat atataaatca 180

aactaaccat gcattgatnt gaatgaatcc caaagttttg tatgagtgca aacaaagcct 240

taattgaaat gcttgatttt gaagggtata tttgagtgtc aacgtcaaat aaatntataa 300

cacnattgac ctttttttcaa gggttaatta tctnntttta tccttatagt tgcaacaact 360

ttctttttga ttcatacaag ctaaaacatc tta 393

<210> 15651
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15651

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ggcattctgg gataactctt cttctggtta tccctagtgg atggtngcct cccctctctc 120

ttcttctttg cctttcgctg catctccatg ggtgtaaaat caccaattga ggacctcatt 180

gaagctcana gatccaacct catagaagct ctacangcaa gcttccatca ngtggtaatc 240

agagcaccaa gagcttcaag taggtgctcc tttanacctc ccataatnnt ttgctttacc 300

ttctctccca ttgtgttctt attttttttct catgatctct ccatgcttgt ctaatgttgt 360

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tctgtcttac ctgattggtg attaggtctt ggag 454

<210> 15652
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15652

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aactcctaaa gtttccagat gcaatctaat cgattaccaa atgtggtaat cgattatctc 120

aagccacaaa gtcttccttc tgctaaaact agcttatgta atttattact aaaactggta 180

atcgattaat ccgatgattc ttgccaaatt tcaagtagaa gtgagttatg ttgcttgttc 240

taacactttg taattgatta ctaaactntg taatcgatta cattgtgttg aactcattgc 300

ttctaagaaa ctttgagacc aattcattaa tctaccttgt ttgctttcta ctaagcatga 360

atataagaga ctaaatcacc catcatgcct agtctaaaaa catccaatan taatgccaca 420

tctttt 426

<210> 15653
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15653

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caagtctcaa gtacatataa agggcttaat anataaaatc tacgactact atagctatct 120

ataacatatc attctcacaa ctctttgctg gtatatataa tcctgctttg attgattcaa 180

actgttcgcc tcaatcacca acgcggagta attggagaca agccgtagat atagataacc 240

tggatggcat actggggaca accttatggg tcttcgttat tatcttacat tta 293

<210> 15654
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15654

tggattntat gatagggatt ttgccgagat attgatgata gaaaaagtac ctcccgattt 60

ggatttntta tgggtgatcg ngttttacat ggagttctaa gaagcaaggg cttgtgacac 120

tttctacctg tgaagcccaa tatgtagctg caacttcttg caccatgtca tgccatttgg 180

ctaaaaagat cgttggangg aacttcaatt gtgcaaaagg anagcacaaa gatcttatgg 240

tgataataga tctggacaag agcctggcaa gaattccggt gttccatgaa cgaagtaagc 300

ttttagatac acggatcatt tctttgaaag tctattccaa gaaagaagtt aattgcacat 360

gtaaaactta aatcaagtgc cgatatttca cccacccctc acatttgaga ttttcaaaat 420

agcaaccaaa cttgtggggc g 441

<210> 15655
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15655

tgtttaagag tggttaacac accctacaac tcacttgtna ttacataaga ggaacccatg 60

tttcgcatga atcccacaag atgctcacac accacccaat tggaccgatc catccgaatt 120

ggccttcacc caattattct catgcaatcc taatctctta gacactccca ccttcatcaa 180

tagtggaacc aaattgcgaa gaacttacaa caccaacaac ccacctcata gcctgctcaa 240

ccacacttgc aacatcaaat tgcaccatct taaacacaac accattgaac tccatatata 300

ggtaagcata acttggaata aattacacca agaaatattg tcttgcaccc atctgtatcc 360

atagtattag gctcaatcac tactataaaa tatgcttggt acatcgacta 410

<210> 15656
<211> 302
<212> DNA
<213> Glycine max

<400> 15656

agcttcttat cctatgctca tcttggtggt gaagctcctt cttccatggc ttattcccga 60

gtggatggca cctcctctca cctcttctcc tttgtcttcc gctgcatctc catgttggaa 120

aatcaccatt aaaggacctc attgaagctc aagatccagc ctccatagaa gccccacaag 180

caagcttcca tcaagtggta tcggagcaca agagcttcaa gtaggtgctc cttaaacctc 240

cattaatttt tttttgcttt accttctctt ccattgttgt ttcttcaatt ttatccatgt 300

at 302

<210> 15657
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15657

acgataaata aaagatacaa aacaaagaaa gaagagaaaa agaagagaaa taatttanaa 60

ttntnttgag acattgagan caaannttat ngaaaagcan naaagggagg gnntgaagag 120

aaaaagggag aaaagaaaaa atttttatat ataaagaaga aaaaagaaag gggggggggg 180

aaaagaataa acagagaaat aaagaaaatg aaaagaaaaa gaaggaagaa aaaaaagaag 240

atgaaaggag gaaaaggaag agagagaaaa gatgagaaaa aaaggaaaag aagaggaaaa 300

agaaggagaa ataaaaaaaa aagaaagaga aaaagattaa agaaaaagga gaaagagaaa 360

agaaaagaag aaaaagatag aaaaaaagaa aaaagaaaaa aagagagaga gaacagaaaa 420

gtaaaaaaaa aaaagaaaaa agaaaaagaa aaggaacaaa agaagaaaaa aaa 473

<210> 15658
<211> 247
<212> DNA
<213> Glycine max

<400> 15658

agcctaccct atttggcact tcttggactt ccattgttcc taactcaatc actgttaaag 60

gcctgctgat tgagtacaaa gtgactcgca actattaggt gagtaattaa tcactccttt 120

gcatgtcata ttttaatatc atagaatatc ttatattgaa tttcatgttc aatccacgaa 180

gattcgagta ccatgttctc atttatgaaa tctgcaggat gcacccatct gaacatggaa 240

aggaata 247

<210> 15659
<211> 270
<212> DNA
<213> Glycine max

<400> 15659

agccttgagc tttttcaaac gacaatgaat ttttactcgg atgtgcgatt gagtcacgta 60

atatatcgag aagctcgaaa tggaatacca ctactctgag catattcaaa cgacaataac 120

gttttactcg gatgtctgat tgagtcccat aatttatcgg aacgctctaa atataatacc 180

caagctttga gcatattcat acgacaataa ctcttttact cggaagtcgg attgagtccc 240

cttatatatc cagacgctct atattgaatg 270

<210> 15660
<211> 525
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15660

agtatacctc ggatacagac actaagcttg taagctatgt ctagctnacc cgatttgctc 60

acccttttgaa gttgatggta tggctgtgga gtctcacttg tgtctgtata gatacanaac 120

aaaaggccta tagctgattt ctctgagaga ttgggaggag ccagatngaa ctatcgcacc 180

tatgaacaag agttctatgc cattgtgaga gctcttgatc attggaatca ttatatgcgt 240

tctaatcact ttatatagca ttcagatcat gagtcatttg aagtatatca atgggcagca 300

gaagttgagt ccaaagcatt gctacatggg tcgaatctct tccatctttt aattactctt 360

ctaaatacaa cggatgttag agtaatgtgg tggctgatgc actctctang gaggtatgct 420

tcaatataca ttctttacac tccgttagct cggtttcgag actttgaagg attataataa 480

acacaatgtc ggtattggtg aaatacctct aattgtgaga aggat 525

<210> 15661
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15661

agcttgcctc tattatgtcc acgaaggatt atgcggtcga aggaactatt tccgctcctg 60

agtatgacag ttaccgcttt aggagcgcta tacaccagca gcgcttcgag gccatcaaag 120

gatggtcatt tctccgggag cgacgcgtcc aactcangga cgacgagtat atggatntcc 180

aggaggagat aagtcgccgg cggtgggcat cactatttac ccccatggcc aagttcgatc 240

cagaaatagt cctcgaattt tatgccaatg ctttggcaac agaggacggc gtgc 294

<210> 15662
<211> 82
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15662

acctnctcct ccatggtnga tacttcatgg tctccatgat ctcctacatg tctggcctaa 60

tgtttaacat gatcttataa tt 82

<210> 15663
<211> 245
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15663

naagctnttn ggttctgtat tgcctaaaaa atntgcaatg tagggcggct atgtgtcttc 60

gtgcgagctc aaccgaagtt gtatttcagc cgacgcccgc atattgtctg ccatgaaaac 120

attatcccac cttggcaaaa aataacatga ttcaccggta tgacagaaat aatgctggcc 180

ttagtcggtc atgatagatg accgatcgat gtctaaaata gaagcatgac cggattacgc 240

cgatc 245

<210> 15664
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15664

agcttctcag ctatcttgct tcctcactag cagntgctag tgctatcatc tcacattcca 60

tagtggactg agctaagata gtctttttct ttgacttcca agagacagcc ccaccagcta 120

tgctaaatat atagccgctg ggtgctttgg aatcatctga aagagtgttc taatctgcat 180

cgctgtatcc ttcaagtaca gcgggaaacc ctttataatg taatccaaag gctatggttc 240

tattaaagtg cctcattacc ctttcaata 269

<210> 15665
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15665

agctntctta tttttctggt tntccaaacc ttganaacaa aacttgtgtt attcatcttt 60

ntcattccct tctccctttg ccaaaaagaa ttcgccaagg actaaccacc tgaattctnt 120

ttatgtctct cttctccctt ttccaaaaga acgaaagact aactgcttga attcttttgt 180

gtctcccttc tcccttgtca aagaattcaa aacgacacaa tctaagaatt cttttgtttc 240

ccccttcaca aagtttcgaa ggactaactg tctgag 276

<210> 15666
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15666

catcaaaggt aattgaaaac ttgggaagaa tggttacctc atgttgaatt atcttataat 60

anggtagcca acactaccac ttctttttcc tactttgagc ttgtttatgg ttntgatcct 120

ctatcttctc ttgatttaac tcctttacct aatgattctt ctattttgag taaagatggg 180

atttctagag ccactcttgt taaggatctt catgaatggg tgagaaatca aat 233

<210> 15667
<211> 195
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15667

tttgttgcaa gcattnggtc tatctaaaga gtggagtctt catgctgcaa atcgatggtt 60

tctgagtgga aaattctaca ttggttaagc atgtaattct gcagcatttg cgaagcacat 120

tcaaattaat tgaagtcatg tacgagcact gtagctctta caaaaataag cactgcctcg 180

tatttaatgc acaaa 195

<210> 15668
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15668

cggtactttg tgtagtcttc cttacgtagt tcccgaggag catttgactc gtatgggaac 60

ttgctggagg tgtngccatg ggtcctatcc attattaana taagaatcag gaaacacata 120

gtaattacaa caacatgtaa gtatcanatt gtanataagt agaattgtaa aatgtaaaat 180

agttaatttt ttgagttaaa cattatttga gtatatacca ccgttaaata gtcgtatact 240

cccataaaca ctcatcatga atcgtacgaa ttgcatgtac atcattgtct tcattttcag 300

catctatgga aggcatctgt ggggaaaaag tgggcatgtc attaacatca agtg 354

<210> 15669
<211> 267
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15669

gcccgttggc gtgcgttcca aacgagccct catggacttc ctcgatcatg tgatttgcct 60

ccctggcatc cacacaccgc atgagtgtca tgtcctgatt tctcttatac agtatgcttc 120

cactcatgaa gaaaccggct gccaaccttc tcaatgtcct cttatcattg tcggcaatct 180

cgggcgggta ttctntgctt acgacatatc gcttgatgtc gaaataccaa tgctctccgt 240

ctcgttcctc ttctacttgg caacaac 267

<210> 15670
<211> 268
<212> DNA
<213> Glycine max

<400> 15670

tcactctgtt tccactcata acaccatatt cttactgtct aaccctaagt taaccctacc 60

cttcatctct aacagttttc cataagcaat ttcagcacat aaacatcaca agcatcatca 120

tataaaaccc taaaacagaa tgggttagct tgactcacac caaacatggc aagttcaaca 180

tgctttcaac aaattccttc atagataact atcatgaagc agaaacctag ctaaactacc 240

catcatatct ccctataacc aataccca 268

<210> 15671
<211> 531
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15671

agtgctgcag ntcctnctan ntgccaaaac anantantna agctttataa gagcaaaaac 60

ccccttantc atnntncaag atatgccatg tgtaatatng gacgcatcaa caangaatct 120

cttctctttg tctattgngc angcaatcaa nggggcanga cacaccagat gattataatg 180

atggatggct caaattctca ccacgtaaaa taatcacttt caaattgagc ttttcaaact 240

atcatgacat gtatagaaga atccacgatt tcaacgcaca aaatgtcaag agcttctatt 300

ttcaaacaat tacccatttc ttgaacatat cctataattc aaagaaaaac atgcgaaggc 360

gaacttgctc acaaaattga cccacatatt taactaaact ccgacaagct aacaacatta 420

catatttaca gaactttaaa acctgcaaaa ccaagaacac tccccccata ctaaacaccc 480

attgcctcat gtttccattg aataattaca accttactca tcatgagaac g 531

<210> 15672
<211> 302
<212> DNA
<213> Glycine max

<400> 15672

agcttaagat gatgaagaag aaggtaaatg tttgcgggaa tagtgacttg tacagatgag 60

tcactattta gttttatatg aaagggtgaa gggcattttg gccctttcac ccgagttgct 120

gggtgtctca acaaaaatat tgggtgcccc acacaactct cgtggttcgg atggtttcat 180

actggccaag cttaaaatat gagctaataa ctttttttgtg cctcatgact tactaatttt 240

gttccattat ttttgcacta tctgaattat taagaagtca aatgagtttt tcttctatat 300

at 302

<210> 15673
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15673

agcttccatc atgtggtatt agagcacaag agcttcaagt agtgctaaat gttgtttctt 60

cattaatgat aaaattaatg aagaatntaa gtagcacaag aactccttaa acctccatta 120

attttcagct ntaccttccc ttccattgtt gtttcttcat ttttctccat gtatctcctc 180

acatgtctag tgctaaatgt ttttaacatg atcttttaga atttccactg attaaacttg 240

ctatagaagc tagattttat tttttatggg tcanatttct tgttcttgaa ccataaa 297

<210> 15674
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15674

natgtagctg tcgtagttac tgcaactcna agcttgctaa gatgattcct aacgagccag 60

agcttaactt cacacatctc tttataccta acctcacncc tgatatgaga ataagaggct 120

agnctcacac ccctataata gctaagctca cccctatgcc aaaaaacatg aaaatacaaa 180

aaaaagtcct tacttacaag actacccaaa aaacccttga atacaagggc taaaccctat 240

actactagaa tgggccaaat acaaggtcca tatgaaagaa aacctattct aatatttaca 300

agataacagg ctcatactta cccatgggct caaatctacc ctanggctat gagaaccctg 360

gggcctccnt ggatctctgc acaatctact tggagcttct atcaatgacc ttgnggggtg 420

gatngcatac tatgtnggtn ataattattt aataatgaat ttgacaaaaa atacatgttg 480

tatgatttga gacatggtag act 503

<210> 15675
<211> 285

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15675

agctttgcag atttggtctt cgctgggtaa aggatcanag tgggtttgaa aagaggcaaa 60

tttaatcatc tgcttagacg aattaganaa ctggggcaaa tgaagaaggt gagaatgaat 120

gagaaaccca tgctgcgact gtcgttccta aatagaaaat cccttaccag ctcaacanac 180

atcattactc agccaatatc gaaccttctc attcctcacc acccaattat ccataaaggc 240

catccctaaa tcaaccacaa agcctgtcta ccacacaacc aatgc 285

<210> 15676
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15676

tttatgcaag ctgcatgtta tgtaatgatc atgagaatng tcatgttagg tgcttttgct 60

atgctgttaa aacttgccct ggttctgttg gtcgagccaa tgggaaaatt gtggttaatt 120

ggatttcttg atggtttgga ctatggtctg gttggcttta acgagtttga tgcttccttc 180

aattaatttt atagtacacc tgttattttc tcctgtctat ctatttgcac atggagtgtn 240

gaatgaagtc tggatgattg cagaatagca atataat 277

<210> 15677
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15677

agcttgtgaa ttgatagacc atnttgagtg acattttaca tgagtgtttg tgtcaatttc 60

acgtattttt cttggcataa ttcacgttta gatctagttt catgtgcata aagtataaat 120

gtttgatcaa gtgaaagagt cggaatcaac acaaatctat anagaaactg atgactctac 180

actataccat ggccatagta ttgtaccaca atcatggtga ccacaatgcc cataataaga 240

tcaccactac cctaaagatc aatgcctacc agttgatcac aatcg 285

<210> 15678
<211> 245
<212> DNA
<213> Glycine max

<400> 15678

tttagcttct ccttcatttt cctataaata agggaaggat ggaagaacaa taatgttcaa 60

tcctgctggt atctgagatt cacttaaaaa tactcataaa aattatcttc gtgaagaaaa 120

tccaagccga agcgtttccg taacgcttcc gtgacattac cgtgggtgat tctgcgaaga 180

tctacaaccg tacttcgtcg ttcgtcgttc gcctctcgtc gttcgacgat cgttcttcgt 240

cgttc 245

<210> 15679
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15679

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acaatttatg tataaaacaa gtataaggtc ttttgtagga ttaaagttac tttggatatg 120

tnggatcaag tggcctctga ataattataa aagagggttg aattaattat tactgaacct 180

ttactaatta aaaatgtacc cttcttatgc ttttactata atgttaaaaa gtaaataaca 240

taaatgg 247

<210> 15680
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15680

tgtgctgtac gttnttacgn gaccctanat actcagctga tgactgatca attgattcnn 60

agaatttgtg atacaaagat atgacaaaaa ctcatttttc ttatcttctt ttgtttacaa 120

agatgatgat ctcgcgaatc aaagaatgag ttcaagattg aatcaagaac acttcaacgt 180

tcaaaacgca aattgatgtc agaatccaga attaagtttc atgattcaag ttccatgaat 240

caagatcaag atccacgaat ctagactcaa gagaagactc actcgagata tgtattaaaa 300

agttgtctca aaaactgagt ccaccataat ttgtctcaaa acctttttcc aagagtttta 360

ctctctggta tcacttacag atttttgcat cgataccatt gcaccatgtt tcaacaagct 420

tcacctgatt tacaatgtcc atcgatttca aatttgtatc gatccatgga ttgcttccgt 480

tcactgggtt gaagtgcg 498

<210> 15681
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15681

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ccaacctaac catggattgg tttctttact tcacacatta aatttattaa tttggccttt 120

agtgattaac caaccatatt tgaaaagata atacttgtaa tagaaatatt atttatgtgt 180

ataatatagc atattatttg tatttaaaaa aaaaccatag tatttgttac ttatcaaaat 240

attttatata tcatatcctt attaatctta agaagttata ttctcacctt ataaaataga 300

agtatattaa tattaattgg attatacatt ntatcccacn ttntaattgc atattctatc 360

ttatttttaa aaactgtgat gtactccatc attatcatta tagtcaaaat agggtaaatt 420

aaaaatataa taaagtcagt aacatcaatt gt 452

<210> 15682
<211> 292
<212> DNA
<213> Glycine max

<400> 15682

tagctgaatg aatgttcaca ccacatactt tatatgccac cagctgtatt attagcaggc 60

tgcaccgccc aagaaacctc tacatcctcc cataacgcct gacacatagc tttatctatc 120

atttctttct ttgtttcttg aatacacagc atatccacag tctccatctt tctgaatctt 180

ctaatggctg accatttcaa ccccctccct aagcccctga cattgctgga aactatatgc 240

attgattcct ttgtctgtct cccctcctta tcgctccttc tttgtccctt tc 292

<210> 15683
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15683

agcttcaggt tgttcattga ctctagaatg ctgcanagaa ggacagagat ctgtatggtg 60

atctgcagaa gaacatagac cacagattct tgcaacaggt gcagacttct tattcatggc 120

aagctaagtt actaggttga ccaaggcatc aagttttccc tcaagctttt tattttcagt 180

agatgaagat gaattcgtgg ccatctcatg gactcctcta aggaaaatag cattatttct 240

tgcattgaat tgttgggagt tggaagccat cttctcaatc aagttcctag cctcaac 297

<210> 15684
<211> 246
<212> DNA
<213> Glycine max

<400> 15684

cttagatgaa cctaatgcag tattcaactt acacattttg gctgatcttg tatttaacat 60

aaattataat attatatatt ccttctttat ggtataaatg cttgttcaca acgtggcagt 120

gtgtggtcta caacatgaca gtattgtaac ctgcctggca tattatagat gctaataata 180

catcatgcag aaattttaat tactataatt tatcgtacac aatattgatg aatacgtact 240

tattta 246

<210> 15685
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15685

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aactanagac cccaagctga taccctacca agcctatatc aaggaatagt gctggttctt 120

tgatgagatc tccttccatc atgttccccg agaggaaaat catattgcaa atgcgcttgc 180

cactttggca tccatgtttc agctaacacc gcacagggac ctaccataca ttgagttctg 240

gtgtcgtggc agacccgcac a 261

<210> 15686
<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15686

agcttatcat attctattgc actgttgttt tttagacaat gattgattta ttcatgagtc 60

tgtgttttaa ttgattacca tgtgatatat tcgattactt ctatttctat aagtatttca 120

gaagtgatca agaacacttt aatggactac attgaggatc taatcgatta cattgtgctt 180

gagaggtntc cagtttttgg gatgaacact ttaatcgatt gataagataa tataattaac 240

tacttcattg aaataatcga ttacattgta tatttaatcg at 282

<210> 15687
<211> 246
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15687

agcttgtata ctgccatgga agtcccacaa ggaggaacaa tgctgaagag cttgttgaat 60

gaaatggtgg tgtgaacgag accggacaga tgaagaacan gcatatgaag cgggccctgc 120

aaggttgtgg gccgcaactg tatgggtacc aaaagcggaa gtggtggcgg agggggcgat 180

ggaggcatca tggctggcgg atgtggcacg atcgtgggtg cggtgagcgt gggtgatgga 240

gttgac 246

<210> 15688
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15688

agcttgtata gttctctaat ttatggtcat tntgaattaa atttggtaaa taaatcttgt 60

tttattgtta acactgtctc tataacattt ccattgaatt taatgatgaa atctgtgcat 120

tttcaagtga aaaagaggct aagttntgaa ttgcaaaaaa caacaattgg gctaagctta 180

gtagttgggc taagcgcata tccaccatga aaagcgctgc tacagcgtgc ttagcactaa 240

agagaatctg gcagagcatc aacatcaaag ccgcgcact 279

<210> 15689
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15689

gtcttgtgaa tagcatcgag tatcatgtta ggatctaggg tttgaggaat ggtatttctt 60

gccttagtcc aagtgggtgc aagacccccc accatggtgg atgctagcct ttctgggcac 120

cccaagtgcc tgagaatgct catagaatga tatttgagta gttttccccc tggttacaaa 180

ttaatgatat cccatatgat gattagggtc actcctctac cctgccccta aatacacccg 240

tactagagat atgttgctat gagagatgtt aagggtaatg gaaaatccaa taacgcctga 300

gacgttangt gaatgccaag aacctttgac aacaccaaga ggag 344

<210> 15690
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15690

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agtataatgc tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata 120

gcaacataaa aaatctctgc acggtaatga tgaagattag tgatagtcct ccctttctgct 180

cttgaacgac cccgaactgg tatttcgtca tccatatntg gtaccagaat acttttagca 240

acacanaatc cttggacatc ggcaaaaaaa tta 273

<210> 15691
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15691

agctntcata agtgaaatca ggtgcaacca tctccctaag agtcctctca tgaggtggag 60

gttgagccat gttctcagta tgaaagttag tagtggaatg ttcaaaatca gaatattcag 120

aatcaccctc aacggaatgc atagaatgac caggatgcac actatgcctc actaatctat 180

gataggttct atctatntca agatcaaagg gttgtaaatc acctggattt cccttagtca 240

tgcactatat gcaacaaata atgtg 265

<210> 15692
<211> 124
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15692

gctatgggga agtaccttgt catttgagga tccttaattt acgaatctcc attcagttgt 60

ctagtgataa atttggagct gctccagcac ttaaagtatt tggttcctac tctttnttct 120

aatc 124

<210> 15693
<211> 272
<212> DNA
<213> Glycine max

<400> 15693

agcttgcctc attgatgtcc aggaaggaca aggcggccga atgatctagt tccgctccgg 60

agtacgacag tcaccgcttt aggagcgctg tacaccagca gcgcttcgaa gccatcaagg 120

gatggtcgtt tctccgggag cgacgcgtcc agctcatgga cgacgagtat actgattttc 180

aggaggaaat atggcgccgg cggtgggcac cactggttac tcctatggcc aagtttgatc 240

cagaaatagt ccctgagttt tatgcctatg ct 272

<210> 15694
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15694

gaaaaaagat caaaaataaa aaaagaaaag aagaagaaaa aaataaaaca aactattttt 60

ttggcacact agagcancct ttttttgaa accanggggg agttattaaa tgaggaaaat 120

agaagaaaaa aatatttttt ttaatgaaga aaagaaanag ggggggggaga ggaaaaaaga 180

atataaaaaa agtaaataaa gaaaaaaatt gaaatagaaa gaaaaaaaag aagaagaaag 240

taagaagaaa ggaaaaaaag agaaaaagaa ggagaaagaa aagagaaaat aaaagataag 300

gaagagaaaa agaagagata gaaagaagga ggagaaagaa agaaagaaaa ggagaaagag 360

aagagaatga gagaggaata tgtaaaagag agagagaaaa agagaaaaag aaggagagaa 420

aagaagaaaa ggaaaaggga ggaaaaaaag aaataaagaa 460

<210> 15695
<211> 251
<212> DNA
<213> Glycine max

<400> 15695

tgtaactcaa taatggaatg gtgggacaca tcacaaatga tagtaccact ttgttaccat 60

attacaatta gagttttatg ttcaatacga aacgaataga gacgaaaatt ctacgaattt 120

gattttgact cgacatgatg tgatttgcta aaatgtgtgg atatgatata ttaaatcaat 180

agcatcaacc cgttttaagg aagaatatct gaaatattag aagacattaa cactaataat 240

atcgaagata t 251

<210> 15696
<211> 288
<212> DNA
<213> Glycine max

<400> 15696

agctacaaca ttttaccact tccagggtgc tggaactact tctcatggac ttgatggggc 60

ctatgcgagt tgattgcctt ggacgaaaga tgtatgccta tgttgctgtg gatgatatca 120

acagatttac ctgagtctac tttatcatag aataatcata caccttttgaa gtactcgatg 180

agttgagtct gagacttcac agagaataac actgtgtcat ctatagaatc aggattgacc 240

atagctgata ttctgaaaac agcatggttt ctgaattctg cgcatctg 288

<210> 15697
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15697

agctntgatt gtgtctagaa gaaatcacat gtntgtcatc atcggacatg gggagaatgt 60

gaatgtatgt atacatgatt ttgatgatgt caaacaagaa tctaacactg ctgcttcaaa 120

tgataagcat ttgcttcaag aataattcaa gattgcttca acaaacatag ccctgtttta 180

agattcacta tagaccaagc cttgccttaa aacaaagtgc tttcaagaca tgcaatgctc 240

tggtaatcta ttaccagatg acagggttga taaatagctg ttgaa 285

<210> 15698
<211> 241
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15698

agctnttacc atttatttnt actctctgta ttattgatta ccagtttact gtaatcgatt 60

accagtatca aacattgttt tcaaaagctt tcaaactgaa tttacaatgt tccaattaat 120

ttcaaaatgg tgtaatcgat tacaagaatt atgtaatcga ttaccattgt gtcgcaacgt 180

gcccttntat gggcgagcga tagcgaagct cactggtgcg ctttccaaag gaggaaagat 240

g 241

<210> 15699
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15699

agcttgaagt tttatataat gaacctttat ctaagatggt aacagataca ggtgcaatta 60

atgatgatgt gaatagacaa acganagtat agttgactct tttgaacctt ataataaggt 120

gcttcttgaa ttatactttc atgtataggt aaaagacaac agttgtgcac ttgacacaga 180

caagtcaata caatatgtga aatttctaac atgtgcaatt gtgatactaa taatgttgtg 240

ttgatattct atcacatgta gcaattact 269

<210> 15700

<211> 132
<212> DNA
<213> Glycine max

<400> 15700

agcttcttat ctctatgcat acttggtggg gaagctcctt cgtccttggc ttattcccta 60

ctggatagtg cctcccctct cctcttcttc tttttcttcc gctgcatctc catggtgtaa 120

aatcaccatt ga 132

<210> 15701
<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15701

tcatgcaagc ttaaatttat attgcnaatc ctaatcatgc ttaacctaga tcacccactc 60

ttaagcctga aatccaacaa tcacatattc ttggtagaca cttttactta atcacaattc 120

acccttggct aaatcgtaaa catttgtaga acttcaaaat tattgagtta aacctcaaaa 180

tggattctta atcaaactca tttcaaatta gacatcatat accatacata ccaatcaatt 240

tacaccccaa aacagtattt tcaagcatca accacctaaa t 281

<210> 15702
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15702

tttcatgcna agcttttggg tagagttgag ttggtgcttg atgagtgcaa atgcctctct 60

ttattgtaac ctcaagtatg tggtaataac ttcctgttat atttaatcat ccctccctaa 120

gaagaaatat tatacataag attacttgcg taagaggttt gtctggtctt tggactaata 180

tctctgaatt ttggtaactt atatgcagag acatgctccc tttatatcct cacctatgtc 240

tggtcagttc aaacttatta cattgngtat attattgtct ctatgtctct at 292

<210> 15703
<211> 342
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15703

gtattgatgt ttcacagtct cctatcttac ttaacacggt tgttagtgtt gcccacatgt 60

ccaaatcagg aaagctcagc tntgcttcac ggagtccatt cataattcca tttatgtaca 120

tgatctccat aaccatgggt aatgctggat tatcatcggt tataactcca atcaagtact 180

taagggtttt tgaggcacgt aaggctgcac ttttggttgt aaaaatattc agagaangga 240

cagtattgtg agctgcataa agtgcatcca tcattccttg atacaatatt gtctccatta 300

gtttttgtag cttagcattg tagccttgtt cttcatcctc ac 342

<210> 15704
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15704

tctagctntt gattggaacg agagaatcag atactcaccc gtcgggagaa ttgaacaccc 60

acctttgtac ttttatatat cgctgaattg tgtcttatat tattcgcaag gaatatacag 120

ctctgtaata cctgataatc tatatgcttc tcatacacga tatcaattaa tttgcttctc 180

ataaaggata tcataaccta cactgctcgt gagcgtaatg aaaaagacta tgtgcatgag 240

atcacatact cgctgcagct ggatcatcca tcatt 275

<210> 15705
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15705

agctngaatg atgtatagat ccttgattct tcaatggcca ccacaatgtg atcaaacttt 60

gatatcaatg ttctaagcac cttttcaatc accaattgtt ccttaatttg ttctccacaa 120

cacttcatct ggttggtgag tgtgagaatc ttggtgagat actcaactac tgattcagtc 180

tcctccattg caagaagctc atactatctt ctcaatgtct gaagtntcac cttctttatc 240

ttttctgcaa cttcatgact ctttacaaga atg 273

<210> 15706
<211> 171
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15706

gaacaacaac attctaagta ttggatcaac ataacataaa tttgagtttt cataanaaca 60

atattctaat aaatgctttt atttaagtaa tgaacttcta aacatgagaa aatgtggatt 120

gacattatgt tcacattatc atatcaaaca tttaatcatg aatgtagtga c 171

<210> 15707
<211> 318
<212> DNA
<213> Glycine max

<400> 15707

gggatcctta agtcacctga tgcatgcaag cttactggat gtgaacaact tatcattgtc 60

agaaatgtgt ccgcattgat tggtaaatct gtatgcgcaa ttgctgagta atgttaagat 120

ccaggtacat tcagcatacc ttgtattata tggaatagta agctggacga tgccatgcta 180

tatttatgag cttctattag tgctatgcct cagactatat ataatactct atctctaggt 240

cccttgcagt cgactgatgt ggtaattcat ctagcttata gaagtgttga ctatcctgtt 300

ggtctcatag aagatgtc 318

<210> 15708
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15708

agccttgggt gatcttgtac aataacaaga catgttagat tgtgacttag cactntaatc 60

ctcttagcat agtgcttcag caattntggt acccaaactt ttatgttcag gtttgatccc 120

atatttttca aaaaaaaaat aatggttgaa tatatgttat taaaatcaat ntatatatca 180

cttatctgga gtatgataaa ttnttcaagg cttaatttta tctttttgtc tcattcatta 240

tttatttttat ttaatnttat cctcctaata ataaaatctt taatttgatt gcttaatt 298

<210> 15709
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15709

agcttatgac tttataacaa gaganatgtt atggaagact gtggactata aaagtgtgca 60

catggttcat atacagacta cacaagacat actagtgcga gaactccaag tggtgaaact 120

aaggacttcc tattaggata gggttacatc aaggctcaac tctaagtcct tgtttaatct 180

aatcttggac gttcttatca atgacacaca aaagataatt cctaattgca tgctctttgc 240

tgcatttttt tctttttttat cagcaaaaat agacaattat attaataaag tacc 294

<210> 15710
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15710

agcttgagat gtttgatggn gacccggtgt tgagagaaac gaggatatgg gctacgtggg 60

agtacgtgag ctcagttgga ggtgggcaac angggatggt gggtntatgc gcgcattgtg 120

gatgtggaaa acttgttgtg caccatcgcc cgaccgccac ctagtaccac atgtgatggg 180

taccccataa tcctacaagc ttgagatgag gaagtgttga agggtgaaac ttcctgcttn 240

tattgttgac cacagagtgg tacctggaga tatgtcgcgg gggtc 285

<210> 15711
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15711

ttattattct tatcatgttc acattaaatt caacatgatt ntttgcttaa atcctatgct 60

tgtgcgcatg aatgccgaca aatatttatt gcttgaatga gaagcattta gtgtgggaaa 120

agtactgtca ataaaagtga aatttaattt gtcaatcaag gtccaattgg accacacctc 180

tgtcattgtg aatatggcaa agaaatgaag cttccagtgt ccgttataaa aacaggttaa 240

tgttgtttcg ttttcgttgt cttcgttaga ggcataaatt aatgttagag tgtgt 295

<210> 15712
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15712

ttttttcact tcatacatct ttttcttctg aaaatatatt tgaaaattnt aacaacatta 60

atttaagtat tcatattaat atagtattgg ttaaaaaatt aaataaacat tgatttgaat 120

gcaatttaca aattattaga tatattatca atccttaaac caaataaaat ataaattaaa 180

ctacattata ctatgatata tnncaataat tctattaata ttgatcacta ttgctaacaa 240

tngatttact gctatatatt tgatattgat accatataat actaattacc ta 292

<210> 15713
<211> 213
<212> DNA
<213> Glycine max

<400> 15713

tataattaca aaatgagaac aacatgtatt ttctcatttt acagaaaaca gattgttatg 60

tatagatagt tatcattgat gtataagtac taatcaccta aatttagaaa taattttatt 120

ctggatcttt ctctgtcgca ttcttctttt tcttcaacaa cactatcatc aacatgagac 180

ctcagaacta caaagttgtc accattgcac act 213

<210> 15714
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15714

agcttatgac gttatgaact caatatgcat tgttattntn tatcaatatt cttttcattc 60

tctaatcccc atacttgaca tcagacgaaa aattgtgcat cctccaaaat atgtccatat 120

gaaagaacac aacacaacta aacatgaaga tactcacgag agtccatctt gaatcgaatg 180

gtgagtataa tggttgcact atatgtcagt atatggtgga gataccaa tgagaggaag 240

agagatgcca atgctatacc taatgttctc atgaatgaaa 280

<210> 15715
<211> 237
<212> DNA
<213> Glycine max

<400> 15715

gaatcaaaag aattctcaca ctgcgtcgtt ctgaattctt tgacaaggga gaatggagac 60

acacaataat gcatacggtt gtcccttgtt cttttggaaa gagagatgag agacacccaa 120

tgattcttgc ggttagtcct tggcgaattc ttttggcaaa tggagaatag aatgacaaga 180

taaatagctc atgttttcaa cggttagata accagaaaac ttcagaaagc ttttggt 237

<210> 15716
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15716

agcttgaatg accatttgat agccatgttg gacatgccaa agggtgccat aagtaggtag 60

ttttgctttt gaatttttag acagaaatgg ataaagtaga gggacaaata gtccattttg 120

aaaaaactta ttgtcaacct ctttcagata tgaatatacc tgattcagaa gggaagaact 180

tgcatcaata tctcaatttc aattgaaaca tgggtttgat tcacactcca tgttctgaga 240

aatatntacc atccaaanaa aggagagata 270

<210> 15717
<211> 126
<212> DNA
<213> Glycine max

<400> 15717

actccccctt ggttttgcaa tgattcctta tatgagacat ttgaagatct catatttttc 60

atatgtaacc aattgcctca taaagaataa ataatttttc ttactaattt atcttttatc 120

tttctc 126

<210> 15718
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15718

tctgcttggt tcgaggtact tacccgttga agatcgaaga acgatgaaga acgaatgaag 60

aacgtcgaag aacgattgac acctctgcga aattcttcac ggaaaacgtt acggaaacgt 120

ttcggaagcg cctcggctta gattntcttc acggaaacaa tctttccaag caaattcgaa 180

agagagagaa gtgcctaagg ggctgaaccc tntccttctt cacttcctcc cctatttata 240

gcaaaat 247

<210> 15719
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15719

agctntgaat gcactattca atggagttga caagaacatc ttcagactga tcaacacttg 60

cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120

gaagatgtcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaatgagga 180

agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgnctt 240

gggagagagg gatacagatg ataagctgg 269

<210> 15720
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15720

agctatctta agttttctgg ttttccaaac tcttgaaaac aaaacttgtg ttattcatct 60

ttttcattcc cttctccctt tgccaaaaag aattcgccaa ggactaacca cctgaattct 120

ttctatgtct ctcttctccc ttttccaaaa gaacgaagga ctaactgctt gaattctttt 180

gtgtctccct tctcccttcg caaagaattc aaaacgacac agtctaagaa ttcttttgtt 240

tccccccttca cacagtttcg aaggactaac tgtctgagaa ctntgtctta acacatt 297

<210> 15721
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15721

agctggaagc ataatgtaat caggttctta tcatcaaaat aagcagcttt aaggcacaca 60

tcatctaaga gctaatatca aattgaagct agttataacc cctaagttta gaaaagtgca 120

cgtatgagct ttaattaagc atcatagata aagtaaatta aaacttcatg gagaaaaatg 180

ggaaagaggt gaggtgaaat ntataacgaa ccatcctata acaaattttc caaccattat 240

tatggaacaa aaagaanatg agactttcaa aacaatatta tatccttaga caaaat 296

<210> 15722
<211> 290
<212> DNA
<213> Glycine max

<400> 15722

agcttaagaa tttacactct ggagcttcat gatataatga atgttgtcaa gcttttaatt 60

tctccaactt ctagtgttac acctctaaac ccctctgttt taactgttgt ggggagtggt 120

atatgaaccg tacggtttgg tttgattgtt gtgaaaatca tgcaaagagg aaaatgaaac 180

tggctgtcta aatggccatt gatgtcatat tctaaaatgc attctgaatt ctgattctaa 240

agcttcattg tgtactattc acaatgcata tactatgcct gctgtgcatt 290

<210> 15723
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15723

agcttctaaa ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60

gatatcttaa gaaggggggg ttgaattaag atattccaaa ttacttcccc aattaaaaat 120

ctatttcact ttctactcaa gttataaatn tccttaacaa tgaacttctt aaatattaat 180

tcaaataaaa acaatttgaa tataaatata aagcaataat aaacaaagga gtttaaggga 240

agagaaagtg caaactcaga attatacctg gttcggccaa acccttgtgc ctacgtcaag 300

<210> 15724
<211> 260
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15724

naagcttggt tcctagatct tcctatctan tttttctttg ttaaatattg tgagccaaag 60

atattttcct tgtgtgtgga aaatctgctt actaatgtaa ttatgagtta gcaggaatgt 120

tgtgccatag tttatacttc attgttcttt ttttttttt ttttttaaa ttattaagat 180

aatagtcaac aagcatgtta tgggctcaga ttcacgaaaa tgtcctccat ccttgcacac 240

anttggtgta gacactatga 260

<210> 15725
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15725

agctntacat gtatatactc atcagagtag tctncactct ccacataaaa gaaagtaagt 60

ttagttacaa ttctttttccc cacatctttt cctgaaactt tgtatatttt tcgtgtatgt 120

ttagttacta agagggaagg atcaagacct gaagctccat ctgtgaaaag tattaaaatc 180

tggagacttc agtggttttc agcacaatgt ctcacagaca cattggatag aaaggacang 240

ttcaaatttt cttggctcat acaatgctaa at 272

<210> 15726
<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15726

agcttatcta gttntaatgt taagcctatc gaanattgtc tggacctgca tacttgacat 60

tcttgatatt gtcttatgca cgaggagtgt gttaagaata aagatctccc acattgcctg 120

tgaattcaga caaaatactc cttatcttgg gtttaaataa catccacaac cacaattgtg 180

gctacaatac caatgtattn tgactcatca caatgcaacc gcaaccgtaa ttgtgatcgc 240

atcatctgca tctttcccga atatataggt tgtttaactc ac 282

<210> 15727
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15727

agctttcaac ttatgtcttc acaaataatc atcacacagc agaaaactaa caaatctacc 60

catcatatct cccaaaaccc catacccacg anaatcaaag gagaaagaag tccacccata 120

cctgatattt cgaagtccca ctcgtagcca cgcacttcac gactccaaaa atgccctcct 180

ttcgcgattt ggagcagaaa tgagcaccac aggttggagc tctgttgggg tttcaatgga 240

gaatggatga gaagggaaaa agcacgtcat gaagatggag agctg 285

<210> 15728
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15728

agcttatccg atcaaagttc ttgttctgct tcctttgcat tgccttgtga gaatctgcag 60

cattctaaca ttgctntcac ttctatgcct gtctataggt ggagtcggca tatcaaacat 120

gatcttgaag attcaaagga atgaatacat gggatttnga taattttgca ggaatgatac 180

atagagcttt tcaagtatct ttttatttgc acacattntc tgtttgttgt ttgccaccac 240

caaaccacct gagaggggat gatatg 266

<210> 15729
<211> 76
<212> DNA
<213> Glycine max

<400> 15729

ttaattattt cacctacaca tcaatattac taatcatgta aatacaaact ccctacacaa 60

actatctggt cctata 76

<210> 15730
<211> 234
<212> DNA
<213> Glycine max

<400> 15730

gcatgtttct cttaatggct aagatgatga atcggaaggg tgggtcgtca tcatcatcct 60

tagtcttcga tatagtgaag tgaaaatgtg agatacccag tattacgttc acatcgcata 120

gtgtgaacca tccatggaga atgtttggga gatgcccact ctacaacata agcaaatgtt 180

gattctctgt tatttttttat ggtttattct cttatgttgt ttggttattt ggtg 234

<210> 15731
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15731

agcttatcat attccctttc aaccaagttg aattctcaaa atgagtcttg tttatcaaaa 60

tagagagtac cctgaagtaa agtcggtctc actatacaaa atcattgcca agagtctaaa 120

actttacaaa cttatagaac ataagattta gaanaagaac aatgaatatt cacaacagct 180

tcagatggtt ttaccacggc aagcgggtcc ttaaagaact agccttggtc attacttgaa 240

taatgaaaga caac 254

<210> 15732
<211> 368
<212> DNA
<213> Glycine max

<400> 15732

agcttgaaaa ccaaaaaagc acaatcaact gccacaacaa aatgaaaccc cacattacca 60

ttcttattga tacttttata tggttagcca agtggacaaa atgacccaat aatttgataa 120

gaaccttcga acaatgtcac cgcactgatt aagaacttac taagaagagc aacaaactaa 180

ggtagagctc ataccttgtt aactggaagc gtagaaagct ttgagctttg agcaccctcg 240

actattccaa gagcagtgta gggttttttc gacccacaca gttccaacag cagtgtaggg 300

ttttcttcga cttttcttcg ataggaggtt ctgtgggttc tatccagcga gttttgatag 360

tatcgaaa 368

<210> 15733
<211> 406
<212> DNA
<213> Glycine max

<400> 15733

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attattggca tccacattaa tgtggttgac ggtgcatgtg agtgaacaat gtgcagttgc 120

acacatcata gacaaatctt cattgcatca tgactcttga ccgcactata aagcatggtt 180

gtggtttaat aaagcatcat attattaaag aaaatttaaa ataacaattg aaaagcatgg 240

aacaatgaca aatacatgat aaagactaac aaattattaa aatcaataca acaaagttgt 300

taaattattc attataattt cagggaattc tccagcttct gctctatctc cacccaactt 360

aggtcattaa cataagaagg tgatgatgaa ttatgaatat caattt 406

<210> 15734
<211> 354
<212> DNA
<213> Glycine max

<400> 15734

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accgtgtcta caacttgcaa actaagaaac tcgtcatcag tcgagatgtt gaagtttatg 120

agtatgcttc ttggaattgg gatgaagaaa aagtggagaa gaatgttctt atacctgctc 180

aactacctca agaagaagct gaggaagaag acccaggtga accaccttca cctccaccac 240

aacaacaaga tcaagaacta tcatcaccag agtctactcc aagacgagta agatctttgg 300

tggacatata tgaaacctgt aacttggcca tacttgaact tggaagcttt gaag 354

<210> 15735
<211> 406
<212> DNA
<213> Glycine max

<400> 15735

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atcaaagacc tcaacacaga tcatgatgat tggtttctaa aagtgtgtat tgttcgattg 120

tggaatattt ataacaagaa agatgagcaa cacccaatgt tattggaaat gatgttgcta 180

gatgaaaatg taactaataa cgaatgtcga attgctcaaa aacaaataaa attaggaaat 240

tttgtagcac atgattaacc tcagtcgaac tcaaaaatat gattcaatat ggttcctacg 300

ttcattcact tataaacaca aaggggaat tttatcgaat agtttgtgag cgattacaaa 360

ggaatgcgaa aacacaaaaa caaaattcaa gaaacaaaac aaaata 406

<210> 15736
<211> 351
<212> DNA
<213> Glycine max

<400> 15736

agctatggtt ttcggaaatc tacactccct gttgtctttt ggggaccagt ttctcatgaa 60

caggggcttg accaggaatc atttgtatgg gttggatatg gaattcaggt tgttcctggt 120

ttgatggtgc tttggtggat gatggagatg atggtacaga gggtgaacca ggagctgaag 180

tttcttttgg tgaagtagcc atggagaagc acagcttttg gagtggtttc gtgaatatct 240

gagaagtgtt gaggaatgct gatgataacc agattgccac taaaatatga gtttgaatga 300

tgaatgtaga tggacgtgtg aagcaacggt cgaatttgtg tttgcccagt a 351

<210> 15737
<211> 409
<212> DNA
<213> Glycine max

<400> 15737

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taccttcaag ctcttaccca tggcttccta tgttggtgag ctttttcttg actcatcttt 120

tccttgaagt ggcgtctcca atcatctttc ttccatctcc attctgctac cgttaaactt 180

caagaagcaa gggactccat tgatgaagat gatccaaggc ctatatgctc cacattgagt 240

tacattacga aaaatacttg tttgaaaatg taaacaatta caaaacatat tatatatatt 300

tatatatttt aaattacaca cacacacaca tattcaagtt ttacttaaac taaaaaatac 360

ttaaataatg tatgtggtta ctagaatata tttacaaact aactaattc 409

<210> 15738
<211> 357
<212> DNA
<213> Glycine max

<400> 15738

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tgaattgtgt ctcttgagtt gcagaagaac acctccttag tcttgtaagg ttttttgtgg 120

aaaagattaa tcaaattgta aatctcttta ctcatttttc tatgtatggc tttacacgtc 180

ttttggttat gcatgaatca cttagggcat gctagaatat ggttttctag tttgggctaa 240

gagtaaggtt ttcttaagct tgtattcaca tatgacccta gtgttgggtg atgtagctcc 300

ctttggagct tgtatgcctt ggatcttctt catcgatgga gtcctttgct tcttgaa 357

<210> 15739
<211> 399
<212> DNA
<213> Glycine max

<400> 15739

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ttttatggag aagataaaaa aaattgcaaa gaaaaaatca gctttagcca aacagctttt 120

ggcataaact gaatttatac aaaagtgcaa aactgcaaag ctgcaatatc tctttaagcc 180

caaaattttg acttaaataa accctcgctt aagttgagat ttttaggatt gtataaatag 240

atattcacgc taatttttaa ggacacatgt tcctcacttt ttaaaaacat ctcctttatt 300

aaagttcttc tccaactctc ttcttccatt gatcttccac ctttcttgct tttggatgct 360

actcatggag atgggtagct aagtccttcg ttgttggga 399

<210> 15740
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15740

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ggataaagga atgtcccaca ttatttccat gacatgcgtg caacaatgat gattcaaaaa 120

ttttatgcaa aactagtcat gcatgcacct atgtggacac tcaagcatca agttttgtgg 180

tcatgtgata ctaatgctta agattaattt ttcctattta agtcaaccca gtgtttccaa 240

aacatgctct tttataaatt catgcattca tccgagtcca ttttgggtgt tcgggaaaat 300

nttcacagca ttcacccttc aagtgtatac acattttgtc aacaaaaccc ttttgtgttt 360

tgatcgg 367

<210> 15741
<211> 400
<212> DNA
<213> Glycine max

<400> 15741

tcaagtgcta atataaagta tatatgttgg catttgataa atactattac cgatagtgat 60

ggccaaagaa ttaccactac atcccacaat actattttta ttatcataaa acatgcatgc 120

tagatgtcgt aacctaccct acaaccggac gatgaaagga aataagacaa aagcacgttc 180

atctcctatg gagaaaacga gtgagagtcg ccaccaacgt ttatttgagg aaaatgttag 240

aaaaatcaaa aagaggtcta cgaatttgaa aagaagggtt caagagttgt ttaatcgagt 300

gtgcaataaa aataacgtga ctacaaaatt aattattttt cccaagaacg gtgaatttct 360

tttcttttaa tatattattt ttatttattt aatatttttt 400

<210> 15742
<211> 342
<212> DNA
<213> Glycine max

<400> 15742

gtatctatcg cttgaacata gaactgccac atctcccatc ataatgatgc ataatctata 60

accaaatact cttactaagg gggtcattca taagcatcta ctatggcact tctagaatgc 120

gactgattat aatattctct agaacagcat cgtatctggc ttctgatcct gatctgttac 180

tggtaacgtt gatatcttca gcataccaac aacgtgtact ataccatcaa aaagtatggg 240

tttttagacc tggctgcttc tgcattacat gcaggtgtag aaataaattc atatgaacca 300

gcgccctacc ggaagctatc agttttccaa tacctctgat at 342

<210> 15743
<211> 366
<212> DNA
<213> Glycine max

<400> 15743

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agagttgtcg gaagcacgta tatactcatg gtgtaatgaa ggaattgatc gagcacaaga 120

tgtaatgaga acttccttac cagctgtggg aagatacttc cccaatctgt gatatgatgc 180

atttccaaat tcgatcctct acataattgg aaattgcttt ctttgctctg cacatgataa 240

atgagaggcc caagtatttt ccagacccta tgattgtata gacaccggaa cataacatga 300

ttgagtgcct caaagattgc tgagtattgt tgctacacaa tatatatgac gtgtctaagg 360

tgatca 366

<210> 15744
<211> 318
<212> DNA
<213> Glycine max

<400> 15744

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tgatgcacct gctcacgaga tattatagtg taatgctgca ctggccactt cgcgggattg 120

gggtagtatt atcatacctc tatgtaactt tcttcaacat cacctaaaat gacttgaaga 180

agctccattg actgtggact ttctggtgaa ggatcaaaaa tgaaacatta ccgaatgtat 240

aaatgataac tccgttccat gttatacttc ataccaaaat cagttaccct attactaaat 300

atactctgga ttctcttt 318

<210> 15745
<211> 260
<212> DNA
<213> Glycine max

<400> 15745

caacacagaa catgaaaacg gcgggggcga aacgagaacc gctcgatcgc gcaacattta 60

cgacaagaaa gaggagcaac ccccaacgtt attgcacatg atgtggaccg acgaaaacgt 120

cgcaaacaaa caaggtctga tcgcacacag ccaaatgaaa gcaggaaatt tggccgcgca 180

tgattagcct caggaggact ccacaatagg agacacaatg gttggaaccc ccattcacac 240

atacacacaa aaggggaatc 260

<210> 15746
<211> 101
<212> DNA
<213> Glycine max

<400> 15746

taaactaaac tctgtacccc aggtgtcaag gaactgattt ggactatgta gacagtaacc 60

tcgtaaacat taagcatctg tgtctcccac aatggctcaa a 101

<210> 15747
<211> 364
<212> DNA
<213> Glycine max

<400> 15747

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attgggcctt agattcaaga tagagccctt aggtacttat aaccttatgg taaatttctg 120

gcccatggtc taagtatgaa cccacttatg tttgcaaata ttatataaaa gcttcattat 180

tcttgggcct tgtatttacg gctccctaat gtatgtacgg taccctaaat atataagatt 240

cttcagccct tgtgtttaag ggcacctaaa ctagtttttg tattaggggt atgttagtaa 300

ttccacatgc actaagtgga tatttgatgt gtgtggaatg aaattaaatt aattgagttg 360

gttc 364

<210> 15748
<211> 314
<212> DNA
<213> Glycine max

<400> 15748

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gatatatcga gacgatcaac attgaatttt gaggttccga gctatttcaa acgataataa 120

ctttttactc agacgtttga ttgagtcccg taatatatct agacgctcga gattcaattc 180

tgaacctcat agcaaattga aacgagaata agtttttact tggatgtctg atggactccc 240

gtaatatatc gagacgctgt aaattgaatg ttgaagctcc gaccaattca aacgacaata 300

ctttttactc ggag 314

<210> 15749
<211> 384
<212> DNA
<213> Glycine max

<400> 15749

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aagttattgt catttgtatt tgctcagagc atcaacattc aatttcgagc gtgtcgatat 120

attacgggac tcaatcggac atccgagtaa aaagttattg tcgtttgaat ttgctcagag 180

cttccgtatt caatttcaag cgtctcgata tattacagga ctcaatcaga catccgagta 240

aaaagttatt gtcgtttgaa tttgctcaga gctttgggat tcaatttcga gcgtgtcaat 300

atattacagg actcaatcag acattcgagt aaaaagttat tgtcgtttga acttgctcag 360

agcttccgca ttcaatttcg agcg 384

<210> 15750
<211> 316
<212> DNA
<213> Glycine max

<400> 15750

agctttcgta agtgaaatca ggtgcagcca tttcccttag agtcctctca cgaagtggag 60

gttgtgccat gttctcaaaa tgtgcaaaat cagaatgctc aaaatcagaa tgctcaaaat 120

tataatgctc aagatcagga tgttcaaaat caccaataac agaatgcaca gattcaccag 180

ttatggaatg ctcagaatga tcaaaaggta taaaatgatg cctaactaat ctatgaaatg 240

tcctatctat ctcaagatca aaagggttgt agtcagatgg attgccttta gtcatacact 300

acattcagca tgcaca 316

<210> 15751
<211> 405

<212> DNA
<213> Glycine max

<400> 15751

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ttgatggggc ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgtgggtgtg 120

gatgatttct ccagatttac ctgggtcaac tttatcagag agaaatcaga caccttgca 180

actgtcaagc acttccacat ctttggaagt ccatgttaca ttttggcaga tagagagcaa 240

aggagaaaga tggatcccaa gagtgatgca ggaatattcc tgggatactc tacaaacagc 300

agagcatata gagtattcaa ttccagaacc agaacagtga tggaatccat caatgtggtt 360

gttgatgatc tgtctccagc aagaaagaag gatgtcgaag aagat 405

<210> 15752
<211> 126
<212> DNA
<213> Glycine max

<400> 15752

ttcttgggca gatgatagca gtcacccgtc ttatgcataa cagccctatt gcatcgttga 60

tcctttaata ggttggggtt attacttgcc ttctatatac aaaaacaagc cgacatggca 120

acatat 126

<210> 15753
<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15753

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tcaacatttg aaaatggctg cgngtatccc acggtccgta ttgaatccca caacacacta 120

atagtgactg gttatcaatt gaaatgagtg tttagctata aatacaacat atatcttttc 180

cagcgagctg atgtttttgt ttacacgtga cgaagtcggt gttcaagtac taatgaccag 240

tacttttata ggagactata cagttgtcgt cataattata a 281

<210> 15754

<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15754

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nacacccctc cgtgcccgcg tgactccttt tttagtctac tctgcatgca tgcatatctt 120

aagctatccg agatctgacg tctatagaca gttgttctga tgcgtcaatc gtttataccg 180

actcactgat tatacgacat tcatgactaa ctcgttacat cgatggcgta gctaaagcca 240

atagtgtgcg gataagatgc gaacctaata tntcagtatg ctgatcatta gcattggtgc 300

acttcctaac caagtgagaa actcttttag accatctagc attttgttat tttcatgctg 360

atcacaataa aagcgctgct tgatgcaagc attctaacat taaaaatttt agcatgacgg 420

attgtgtcat atatataaca cccttctgaa cctttctacc tacttaataa tggggttcg 479

<210> 15755
<211> 515
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15755

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gtccctaacc gccacaacga aactgancct tgaaactgat acctcgctat caggacctta 120

caatctcagc tagatctcca tcaacttttg acttgtgaac tttgaaccaa aaactctgga 180

catactgctg ggatcgcttc cgtggcataa gattcccatc aggtattaag aaaatcgtga 240

agaaatgaat ctacaaaata atctcccatc tatgtctata cacagttaat gaaatttgcg 300

tatgagaaac aggacattat ttcgttcaat atataaaatg gataccagca cgcatcgcgc 360

gaacacattg tagcacacta tctgtcccca aatattcagg atctagatat tagcgataaa 420

attccataaa aagaacgctt cataagctta atgcataata atgattaact gagtctaata 480

ataaaaccgt aacacatcca gatagtctct aaacg 515

<210> 15756
<211> 423
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15756

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gggtacccga ggaatttgta nggggcacgc tttgcaagct ttgtcgggga gaacaatctc 120

gcacatatct acgtgttgag acacctctcg atcgataaag gctacatgac acgcgcgttt 180

ctctctctct cccatagccg tacggtcgac aattccagca tttttgacac tgtaggtata 240

ttccattgtc agctatagcg gcggctgctc atacaggttt aaggacggac ggctaccagc 300

gtacctacct ccatacaagt ggatacatgg tgtgaataac atactagagg ggacactgcc 360

ggcgaaaccc cgcctaactc cggctctacc tcaatggcct catactacgc cctgagcatt 420

acg 423

<210> 15757
<211> 365
<212> DNA
<213> Glycine max

<400> 15757

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tatcaggtga cacagtaata ttaattaata gataaaggat gcaaatttaa gtattaatga 120

gatactaacc tttatttaca taaataataa caagtaatat gaaacttttg aaaaactaaa 180

agattaaaat ataaatttta aaaatattaa taattaaaat aaattgtttt atacatatag 240

gtttaaaatg aaaactttag aaaacataaa aaaattaaaa tgaggatttt aaaaacataa 300

aagatctaaa aaaactttga aaacttaata catctaaatt aaaacaacac taactatgat 360

ggatc 365

<210> 15758
<211> 404
<212> DNA
<213> Glycine max

<400> 15758

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ttatctgttg gtaaggctgc tgttggaaac ttattaggtg gaatcggcta cttctatggc 120

cagtcaaaga ttgctctttc aagaatcctt aatgtaagtt actttatttt gtttttttata 180

gtccttattg aagtgtatgc caccccttaa tagtgcataa cttgacatgt gattatcata 240

aatgtgaaaa ctttgtttct tgtgtttgat tttctgttga taaagaggag attttagaga 300

cgagaaaaag aaatacgaga acagaggatt gctaaccaac aaagaggatt ctagccaaat 360

taaaaatttc ttcagttgca tccataaatg aattaatgct tact 404

<210> 15759
<211> 54
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15759

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<210> 15760
<211> 135
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15760

gtgcggtatt tcacaccgca tatggtgcac tctcagtaca atctgctctg atgccgcata 60

gttaagccag ccccgacacc cgccaacacc cgctgacgcg aacccccttgc ggncgcatca 120

aatataacta cgtan 135

<210> 15761
<211> 361
<212> DNA
<213> Glycine max

<400> 15761

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cgggtaataa aacttttttg tattcctttt tactcaatct atgaattgag gttttaaatt 120

gcggttgcaa atacatttta gatttgtgat gatccttgat attgtgggac attgtagaca 180

aatgcagtcg atcgataagg ttgcaattgt agttgcaatg tgaatgcaga tattcctaat 240

tttgtttgtt acatacattt atatctaggt cttcaaagat gtggaaagag ttgcatgctg 300

aggtggatca attacctcaa gccagatata aaaagaggaa actttatcat ggatgaagac 360

c 361

<210> 15762
<211> 401
<212> DNA
<213> Glycine max

<400> 15762

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agtcctgtga tcaaggcggg aaatcccagg gccctgttgg acttatccgg gtccagaggg 120

tgcctggtag gcgccatacc tgcaaatata tagatggcat cagtgattag ctgagccacg 180

tgaatgctca tccgtgtcag gatggcgtac accagctgac acttcggcag ggggaggtca 240

gaattatgat cgctgggcag gatgttgcta agcagcaaag tcatccatat ctgagtcagg 300

gtggtcatgt tggtgcgcat gatccgcacc cgtcttccgg cagcagtccg ggcaaaatct 360

tgccccggta tacatagcaa ctgggtgatg gcctcctcat c 401

<210> 15763
<211> 349
<212> DNA
<213> Glycine max

<400> 15763

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cgggtaataa aacttttttg tattcctttt tactcaatct atgaattgag gttttaaatt 120

gcggttgcaa atacattcta gatttgtgat gatccttgat attgtgggac attgtacaca 180

aatgcagtcg atcgataaag tagcaattgt agctgcaatg tgaatgcaca tattcctaat 240

tgtgcttgcc acatacattt atatctaggg ctgtaaagat gtggaaagag ttgcatgctg 300

aggtggatca attacctcaa gccagatata taaagacgaa acttcatca 349

<210> 15764
<211> 400
<212> DNA
<213> Glycine max

<400> 15764

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agtcctgtga tcaaggcggg aaatcccagg gccctgttgg acttatccgg gtccagaggg 120

tgcctggtag gcgccatacc tgcaaatata tagatggcat cagtgattag ctgagccacg 180

tgaatgctca tccgtgtcag gatggcgtac accagctgac acttcggcag ggggaggtca 240

gaattatgat cgctgggcag gatgttgcta agcagcaaag tcatccatat ctgagtcagg 300

gtggtcatgt tggtgcgcat gatccgcacc cgtctcccgg cagcagtccg ggcaaaatct 360

tgccccggta tacatagcaa ctgggtgatg gcctcctcat 400

<210> 15765
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15765

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gcacaacaag ttttccacat ccacaaatcg cgcataaacc caccatcccc tgttgcccac 120

ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt 180

ccccatcaat cctcccaagc ttncccaaca tccaagtaaa acaacattcc aacagcacaa 240

actatcacag ccaagataac agagcatagg cagataactc tgccaaaaca ccaaccaaaa 300

tcacagcttt tctcac 316

<210> 15766
<211> 400
<212> DNA
<213> Glycine max

<400> 15766

tgcttgtgga gcttctatgg aggctgtatc tttgtgtctt aatgaggtcc tttaatggtg 60

attttccacc atggagatgc agcggaagac aaaggagaag aggtaagagg cggcgccatc 120

cactagggaa taagccatgg aagaagaagc ttcaccacca agatgagcct tggataagaa 180

gcttggagag gatgcttcaa tggaggaaaa gaaagaagga gagaaagaga gaggggggag 240

catgaaattg aaggaagaaa aagggagaga agttgaactt tgagttgtgt ctcacaagac 300

tttcattcat caaagttaca aaaagtgtta cacatgcttc tatttataga ctaggtagct 360

tccttgagaa gctttcttta aaaaacttcc ttgagaagct 400

<210> 15767
<211> 352
<212> DNA
<213> Glycine max

<400> 15767

cttcaacttc tgaccacttc cagggtgctg gaactacttc acatggattt gatggggcct 60

atgctagttg aaagccttgg aggaaagagg tatgcctatg ttgttgtgga tgatttctcc 120

agatttacct gggtaaactt tatcagagag aaatcagaaa cctttgaagt attcaaagag 180

ttgagtctaa gacttcaaag agagaaagac tgtgtcatca agagaatcaa gagtgaccat 240

ggcatagaat ttgaaaacag caggttcact gaattctgca catctgaagg catcactcat 300

gagttctctg cagccattac accacaacag aatgggatag ttgagaggaa aa 352

<210> 15768
<211> 398
<212> DNA
<213> Glycine max

<400> 15768

taaacattca atttcgaggc tctcgatata ttactttact taatcaagca tcccaaaaaa 60

aagttattgt cgtttgaatt tgctcacaga ttcaacattc aatttcgagc gtctcgatat 120

attacgggac tcaatcaaac atccgagtaa aaagttattg tcgtttgaat tggctccgag 180

cttcaacatt caatttcgag cgtctcgata tgttacgaga ctcaatcaga catccgagta 240

aaaagctatt gtcgtttgaa tttgctcaga gattcaacat tgaatttcga gggtctcgat 300

atcttacggg actcaatcag acatccgagt gaatagttat tgtcgtttga attggctcag 360

agcttcaaca ttcaatttcg agggtctcga tatattac 398

<210> 15769
<211> 155
<212> DNA
<213> Glycine max

<400> 15769

cgttatgacg ttctcacttc ctctggccat aagaatcgga tgctggataa gcgcctgcac 60

cggtgcatta tgactgggct gactttcctg atatgagcga tgcgctcact gccctgtatt 120

cctgtccgga atcctgcggg cctgctgcga agtga 155

<210> 15770
<211> 336
<212> DNA
<213> Glycine max

<400> 15770

tgtctgtttt atgccttgac ttccttatgt cgttgtgcct acctcagggc tgtatcatac 60

gctgaagaac ctaccaacgt gcaccaagcc aggaaacatc aaagcttgag ggaagcagtg 120

acctgctaaa taaaggcctt agagtcaggt catcctcgct acgttgtccc cactcaccca 180

tgagctcgtc taaggggttg atactgggtc tattcaagca agcggtcctc tgactgtaga 240

gtcttctatt acagaagcct gactcgatgc ctagaggctc tttgggtaga gagaatcaac 300

tacgggggaa ctttctctct tgtaataaaa tgacca 336

<210> 15771
<211> 238
<212> DNA
<213> Glycine max

<400> 15771

tagcttatcc ttatggcctg actccggact tcacgccccg tgccaccccg gaagaatata 60

agccaagccc ctactttcga ggggcaactc ccaccttatg aagactatgc cgggcgagac 120

gatggggaaa gagaatccca tcttggcccc ctgctgcacc tgaaagatcc gtcctcgcat 180

gaactacccc aaccgaacat atgccgtata ccccggccta accacacccg taaaagaa 238

<210> 15772
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15772

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aacaactttt catccctaga atgcaccccc atcttgtgac aatacatttt gagatggttc 120

ttaggacaag tcatcccttt gtacctgtcg aaatcaggta ccttgaattt tgggggggatg 180

acaacgtccg gtactgagca aagatcctcc atgtccgcga atggatagtc gccaaagcct 240

tcaacagctc tcaatctctc ttcgatgaga tcgagtttcc ttttttcttc tgctgccagg 300

ggtggccctt ctacggacaa gaatattggt tgtgctggga ggtttcgagg ttctcccgtg 360

aggttgggct gangtaatgt gttgggtgt 389

<210> 15773
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15773

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gcaaaatctc ttgaactagg aagatgttgt ccatcatctt tctgttctta atgaaaccag 120

tttgagtttc tccaataata gtctcaagca ctagggctat gcgattgacc aaaatttag 180

acacaatctt gtataacaaa ttacagcaag atatgggtct aaaatggtta acctgngagg 240

cctgatcatg cttatgaata agcgcaataa tagcatggtt gagctgcttt agaatttttc 300

tagttgtata gaattcatta accgctgcaa atatatcatc accaatgata tt 352

<210> 15774
<211> 391
<212> DNA
<213> Glycine max

<400> 15774

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agaagaacat agaccacaga ctcttgcaat aggtgtagat ttatgattca tggcaagctg 120

agttactagg ttgaccaagg catcaagttt tccttcaagc tttttatttt cagtagatga 180

agatgaattc gtggccacct catggactcc tctaagaaca ataacatcat ttcttgcact 240

aaattgttgg gagttggaag ccatcttctc aatcaaattc ctagcttcag caagggtcat 300

atcaccaaga gctccaccac tggtagcatc aatcatactc ctctctatgt tactaagtgc 360

ctcatagaaa tattgaagaa ggagttgctc a 391

<210> 15775
<211> 143
<212> DNA
<213> Glycine max

<400> 15775

tttctcctta cgcatctgtg cggtatttca caccgcatat ggtgcactct cagtacaatc 60

tgctctgatg ccgcatagtt aagccagccc cgacacccgc caacacccgc tgacgcgaac 120

cccttgcggt cggctatata tct 143

<210> 15776
<211> 480
<212> DNA
<213> Glycine max

<400> 15776

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cttaaactgg ccatgagcct tgaccaccta ggccaatttt actccggccc cgggttctct 120

ttagacacct gcagcttgca tctctggaaa caatgtaccc tggggctgag gataacatct 180

tctttttgag atccatctaa atgcttgcaa gactcagtga attactatct tccagtagcc 240

gcaatggaag acaacattcc ggtatcaaac tctgtgtcac ttgcagaaac tgtgcccatc 300

atggcccggg aagaacatga tgaatctcta gcatgcactt aacatgtatc tttagggtaa 360

gctccccgaa taccacctgc attcccttgg ttaatttgaa acgtcccttg ctttattgct 420

gggaaatttt actgaaagaa aaatcaagtt ttaggaatac ttgctttaaa tatttttggt 480

<210> 15777
<211> 387
<212> DNA
<213> Glycine max

<400> 15777

tcctgtaagc ttcacagtca agcagtcaag ctttttttata aattctcatt taataaatgt 60

ttatcgaata aggcaagttt ggataaactt ctcaacaatt acttatagga gaagaaaata 120

aaatgaattg aacttcactt ctttcataag ttaaaatcaa cttgtgcact tcgacttcta 180

taaaagttct ctcatccgac ttctccaaaa agctgagatg cattatgttt attattttct 240

tctcttacat gctacaaggg cttattaaga agtttatcta aactgaccca aaggatttaa 300

ttaagttatt tccttctcga ccttcttctt gcggtgctag aatttcaatt ctggaagctc 360

tgtttgattt gaaatagcat aaggatg 387

<210> 15778
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15778

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aaagctcaaa agtcaagaac acttcatgtt aacaaagatg atgacttcaa gaatcaaaga 120

atgaattcaa gattgaatca aaaacacttc aaggatcaaa aggaaatttg atttcaagaa 180

tcaagaatca agtttcaaga ttcaagttcc aagaatcaag atcaagattc aagactcaag 240

attcaagaat caagagaaga ttcaatcaag ataagtatta aaaagttttt tcaaaatctg 300

tgtagcacat taatttttct canaaacctt ttaccaaaga gtntntactc tctggtaatc 360

gattacca 368

<210> 15779
<211> 406
<212> DNA
<213> Glycine max

<400> 15779

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taaaaaaata ttagatagtg cataatgaca tttgttaaat aacaagtcaa atgtacacca 120

atgcaacttg aaaaaattta aataataatt atacacaaaa aagcattgtc taggtacgta 180

ccattccgaa gcatttttt tcttcaaatc ttttaattgg attaatatat tttgcctttt 240

atgtattaat tgaagattag ctgagctgaa gactaaaatc tatatattac gaaatagcaa 300

aacataaaag gtgaaaatat tgataattaa ttttgtcaac tatcatatat caatcatgca 360

tgctatgatc catggattca tcactaaacc agccttgtcc aagttg 406

<210> 15780
<211> 367

<212> DNA
<213> Glycine max

<400> 15780

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acccagaggg aagctcccca agttccaact ccaaacacga ctcgaccggc cggtaattcc 120

aacacgacaa ggaacttccc tccgaggcca ttgccggaat tcaccccgct cccaatgacg 180

tacgaagatc ttctaccatc cctcatcgcc aatcatttgg ccgtggtaac tcccggaagg 240

gtcctcgaac ccccttccc gaagtggtat gaccctaatg caacttgcaa gtaccatggg 300

ggtgtcccgg ggcattccgt cgaaaaatgc ttggccctta aataaaaggt ccaacattta 360

atggatg 367

<210> 15781
<211> 431
<212> DNA
<213> Glycine max

<400> 15781

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gaaaagttat gaccatttga atttctcgag agcttcctat gtttaatttg gagcgtctcg 120

atatattata cgcctgaatc gaacctcagc gttgaaagtt atgaccattt gaatttcttt 180

agagcatccg atgttcattt tcgagcgtct ctatatgtga tgaaccttaa tcggacctcc 240

gtgtgaaaag ttatgaccat ttgaatttct agagagctta cgttgttcaa tttcgagcgt 300

ctcgacatat tatgcgcccg aatcggacat ccctgggaaa cgctatgact atttgaattt 360

ctcgagagct tccgttgtgc aatttcgagc gtttgaacat attgtgcgcc cgattcggac 420

atccagggga a 431

<210> 15782
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15782

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catcatatct cccaaaaccc catacccacg aaaatcaaag gggaaagaag tccacccaaa 120

cctgaaattt cgaagtccca ctcgtagcca tgcacttcac gaccccgaaa atgccctcct 180

ttcgcgattt ggggcaaaaa tgatggccaa aggttgaagc tttgcttgga gcttcaatgg 240

aaaatgaaga agaagaaaat ggcaacgtga gggagagaga gagctgtctg aaaagctntc 300

tggtcttaaa taaaagggtt atctcttttt ctaattattt atttaagcaa tgccacatgt 360

ct 362

<210> 15783
<211> 396
<212> DNA
<213> Glycine max

<400> 15783

tccatcaaga aataggagaa aataatggca catcacacgc tgaatgaatt aattcaaaaa 60

gaagaaacat atagtaagat taatgtactt gttgcgataa agacttgacc agatgtgtcg 120

gccaagcaag gaaggtctaa attgcctacc ccacttagga aacctcatga gtgggtacag 180

gaactgaagc atctgcatct ataacctcct ccacacttac ctttacttgg ccaggcaaca 240

aaggagtgtt atgaacaata gtggatccct cataaactct ccccagggca accaggcggg 300

caggatctac ttcgatgtac aagccgcacc tatctgagtc acctatctca ggatcgtttc 360

ctgagggatc aacacaactc ccctttgtgc ttactc 396

<210> 15784
<211> 155
<212> DNA
<213> Glycine max

<400> 15784

tatcttgtgg agtatacata tttttcaaac atgggctatg ttggaatgtg accactttga 60

gttccctgga agcggcacta tgctatctga gggcggaaag cttatgttca tgctctaaaa 120

caacttcttc cagtgccttt gtaatctggg gacgt 155

<210> 15785
<211> 400
<212> DNA
<213> Glycine max

<400> 15785

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tgtcctatat tttttgattg acgaatgtag aaagtagaat gtaataatgc tgattccgtc 120

ctcacgtacg ttttctctct tgcgtattga ctattgatga tatatatgac agaatgacac 180

aaattaaaat ggcttcatgg aacgtacgat gccaactaaa aagttgtgaa tcagttcact 240

atgcagaagg catatcttcc tcggccctcg gaacaaaagt attagactat taccatattt 300

tatttttgca attcctttat gtgttatgta tttttcattg cttaattaat ttatcgtcaa 360

gtgtgtgtat atatagagtt ggcttgtgag gccatccaca 400

<210> 15786
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15786

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tttgagattt gtttgaactg taagcttgca ttaattatct ttatactaaa ataccccttaa 120

ttactttaca ataactgcat tctcattctt ataaggattg gagaagacta acacacatta 180

attaggcaga attgtatttg atacggtgat atgaaatata taagatgcaa tactggtaag 240

atacatattt agaaatgtat aaaaattcat aaaatataat aaatagttag ttgcaattct 300

aaaaatgcaa attcaaaaca tacttctgag acanttctaa caagaaaaag tttatcataa 360

attact 366

<210> 15787
<211> 402
<212> DNA
<213> Glycine max

<400> 15787

tcacgtcatc acctccgccg ttcggaaatg gcgcctttac ctgttaggat acccatttgt 60

aatcttcaca tatcacaaga gtataaggga cctcatgccg caagtgattc agactccaaa 120

atagcaaaca tatttatcta agttgtttgg ctatgattat acgatcaaat acaagtctgg 180

cacctctaac atcgttgccg acgctgtatc cagaattacg gccatagaat ccattcagtt 240

atttgcgtta tgcatgccac acttcatatt catggaccaa ctttgccaat cattctttac 300

caatcctgat tatgtttaat tgcgacaaca aatccaacaa accccagaag cccatcatgg 360

tttcacaatc catcaagaac tcattttcga taagggcaaa gt 402

<210> 15788
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15788

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aactcatcta gacgctcgaa attgaacaac gcaagctctc gagaaattcc aatggtcata 120

acatttcgca caaatgtcca attctgggac ataatatatc aagacgctcg aaaatgtatt 180

acggaagctc ttgggaaatt caaatggcca taatttttca catggatgtc cgatttggga 240

aaataatata tcgagatgct cntaattgaa caacgaaagc tatcgagaaa tccgaatggt 300

ccgaactttt cgcacggatg tccgattcgg ggacataact catctaga 348

<210> 15789
<211> 574
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15789

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gcaatgtaca tctcancnca ncccaagnac gccagcaaaa ttgaaccctt tgattcgctg 120

agacaccatg ngacactgta gcatgctcga gctacacaga catagatacg agaacgtggc 180

tcctcttcac ttgcatcatt catttagata cacacttgac caataatatt aggagaattg 240

cataatagca caatggctag atagacacgt gcaaatggac gccacctgca actagccaca 300

actgccataa tatttataca cattaaagct tccaataggc acatgccatt gctaaccatt 360

gggcccttac aacaacttga actagaccaa catatgccgc cttatatgaa taaaccgaag 420

aatatctgat ggtgaacact ctatactatg attggcccat tatttacaca tactaggcgc 480

tcttatagtt agacaatgtg gtgccatata atatctatat catgcgtgcc atgatccatg 540

gacaaccctg taattctctc ctggacactt gggc 574

<210> 15790
<211> 312
<212> DNA
<213> Glycine max

<400> 15790

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ttcaactctc tagttaagaa gtccagtttc ttttcttcat cccattcact gtacgtgccc 120

atatccaaat accttgtaat tacatcaatg gtttcagcat gtctgcttga ttcctgtcac 180

actgctagtt tcaggccaca actgattatc caaacaataa tgaacaaaaa actttgaaac 240

atacctgacg caagtcaagc ttcattaaca ccatgccaaa agtagcaact cttcgatcag 300

atcagctagt cg 312

<210> 15791
<211> 397
<212> DNA
<213> Glycine max

<400> 15791

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tttgtctttc cctttctctc tctctctctc tctctctctc tctaatccaa cgatcctagc 120

ctctcttact tctcgatctc taccccttcgt cgtctctatt tctactcgga acccttcttg 180

cccttgccct tcctcctctc acctccatga caacctcgat gacaagttgt tcgccttccc 240

ctctttcttt ctccctccaa atctaggact ccgacaatga cttcctcctc atcaagtcgg 300

accttccacc tcctctattg gctcaaccct gacactgtgc accactgtct cttcctccga 360

tggatgcctc tacatcgaca accaggtttg cgagggt 397

<210> 15792
<211> 296
<212> DNA
<213> Glycine max

<400> 15792

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caattccatc tcatgtacct gtaactgtcc aaacaaagta caaagagaca tgttagatag 120

aactcgtgat tcacttatgg ctgttaccct gggttgtgat ttcctgctta aacatctcac 180

aactttattg ataagatctt cattcggaaa tatttgctct aaagatgcat gatgattaat 240

tatgtgtgtg aacctttttt gcatgtactg gatgctattg tcataacatg cccttt 296

<210> 15793
<211> 380
<212> DNA
<213> Glycine max

<400> 15793

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gaagttttct caagaaagct tttcaaggaa gctacctagt ccataaatag aagcatgtgt 120

aacacttgtt gtaactttga tgaatgaaag tcttatgaga cacacttcaa agttccactt 180

ctctccctct tttattcctt caatttcgtg ctccccccct ctctctttct tttcctccat 240

taaagcatcc tttagtgaaa gtgaagaagc aaaaggggaa gaatctagtg aagaaatcta 300

cccccaagaa gaaggacaac ctttaatggt taaggggggag tgtaaggagg taagtgtctc 360

ctccaagaga ctagctaaga 380

<210> 15794
<211> 227
<212> DNA
<213> Glycine max

<400> 15794

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gcaaaggcag aaaactctgc ccaaaacacc aaccaaatca cagcttttct cacttaaaga 120

ccccagtaac aatttcttcg atccaattcg ttaaccggtg gatcgacttc aaaattttac 180

tggaagtcta tagtacataa gcctacattg tgaaccgttg gatctac 227

<210> 15795
<211> 394
<212> DNA
<213> Glycine max

<400> 15795

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attgtagccc ttacccagta ttacgatcaa ccgttaaggt gcttcaagtt tggggacttt 120

cagctagtac caaccgtgga agagtttgaa gagatcttgg gatgcccgct aggaggaaga 180

aagccatacc ttttttctag gttctatccc tcctggcgag aatagccaag gtagtcaaaa 240

tctcggcaca agaattggac cgagtaaagc aaaatagaaa tggggtggtc agaataccga 300

ggaagcactt ggaggagaaa gcgaaggctt tagcggatca aggtaaatgg gctttgttca 360

ttgacatctt ggagctattg gtatttcaag ttgt 394

<210> 15796
<211> 416
<212> DNA
<213> Glycine max

<400> 15796

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ctgggcggta tacaatagtc ataaccagat actctgtagc gagcgtagcg ttttactctt 120

actattcgtc gaacaattat gcagcgcctc ggtagcatcc cagtgctaca gcctgatggc 180

acacagaatg agtggcgtgt aaacaccatg agatcagcac tgagcgacag acgatgcaat 240

cgactaccgc acaatcaatg tattgctaat ctgtttcgcc tgcatcatgc ctacgcagaa 300

actctatgtg accgcccccg cgaagaaacc cgcatctgaa attcctaatt aaatgtgctg 360

agtgaatgat tcggataact attcgcgcac ttatgttcag aatagttcag aatatt 416

<210> 15797
<211> 392
<212> DNA
<213> Glycine max

<400> 15797

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cgatccattg cataaggcac tcatggaaag tattgaacgt ggtgactgcg ttgatggtgt 120

ccctctacca tttgaagctg ttgaagtcga tcatcgtgaa cctggaacta atgggaccca 180

taacgctcat cacgatcata cctcatgtga tgtgctcgca ctagactacg atgtggcgac 240

ctttgacagt attgaatgaa tatcagtgaa acagtatgct agacaatgct acgcgcgtaa 300

tcggttcaca ttgttttgat gcataatgtc aaaatcctac gctactactg tactaaccga 360

gcttacgaat aacaatcatt ttaaagaact aa 392

<210> 15798
<211> 324
<212> DNA
<213> Glycine max

<400> 15798

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tttgatcatc ctactacgac gactgagaaa actggggcaa ataaagaggg tgaggatgat 120

ggagaaaccc atgctgtgac tgccattcct gtactgtcaa attttccacc aacccaacaa 180

tatctttact cagccaataa caaaccacct ccttacccac cacccagtta tccacaaatg 240

ccatccctaa atctaccaca aagtctgtct accgcacttt caatgacgaa caccaccttt 300

accacaaacc aaaaacacca ccca 324

<210> 15799
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15799

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ctcaaatata tagggcaatt ttggtttgtt ttcttgcttg attaggttga attaagggtg 120

tgtatgggat ggccctaggc ctataatgca tttttgaaca atgggacatg ccacattgtc 180

cccgttctct tgctattgac gcctaaacgc gcgcccacca agtgttcggt gaaatgcctc 240

aatggcatta gcgcgtgact tttgtaagga aacaacccat ggggcatttt ggtttgtaca 300

cattttcttt ttttggaata tgtattcatt cctgaaaaag gctagagtaa tngccccgca 360

tatatcctag gcctaggaac taaaatttta t 391

<210> 15800
<211> 154
<212> DNA
<213> Glycine max

<400> 15800

atctttatgg tgaatcaaac gtgattcaaa cgagtgttga tgataaacat gatgatgacc 60

atagcgatga caaaatgctc aaagatcaat caactaacag ctattgtgaa tcaagaacaa 120

ttcaggagtt caagattaga atcaagaaga attc 154

<210> 15801
<211> 384
<212> DNA
<213> Glycine max

<400> 15801

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gctccttgtt gaattggttc ttcggatgat tcctccaact taagccttgt atgaaattcc 120

tcccttggtt gaatcccgac ggtcctcctt ggttgtatcc ttcgaatccg aggcgattct 180

gagctcccat gtagtttact tccctggaag aatcttcttg tgctatgcat tgccctggct 240

cgtgtgctcc tccacagatg tggcatcccc ctatttgcat ggctgaagaa taagagggac 300

ttaccgctta tagttgttgt agaagcttac tgagtgtctc cgttatggac tctatctgtc 360

gtgctaatag cttgctttgg gcca 384

<210> 15802
<211> 361
<212> DNA
<213> Glycine max

<400> 15802

agcttgtgga tgctgatata ataatttcct ctgacctaat attacataga aggaaaaaaa 60

tagagatgga tattcaatat atagatagaa gaaaagaaaa cacaatcatt ttctactttc 120

tagtttttct accaagctag taaaatggaa ttgtttcaat ccacatcttt catagaaaca 180

aactaaattt gtcactcagt caatagtaaa gaggatacaa agtataattt aattgatgac 240

attgtcatac tgttagtcct tcaaatgtat tattattgtt gatcacgcaa acttgttcat 300

caagtggttc cccaacacct cgactatcat catggagaat acgccttgag tagtaaacat 360

t 361

<210> 15803

<211> 406
<212> DNA
<213> Glycine max

<400> 15803

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ccagtgctct attggacttc tccgggtcca ctagatatct gggaggtgcg atccttgcaa 120

attggtaaat ggcatacaag attagctggg ccacattaat actaaattga gtcaagatgg 180

cataaaccag ctggaacttt gggaagatca aaattatgat cactggggag aatgttgctg 240

agcagcagtg tcatccagct ggctgttcgc aaccgacaag tgtaccggat cgcacaagta 300

gtataaaatg gtaagaaccg agtatcaaac tctcggggaa cttgtgttat ctggcaagct 360

atttcgataa ataggcgtct agtatgaaaa tatgattgtg gttatg 406

<210> 15804
<211> 360
<212> DNA
<213> Glycine max

<400> 15804

agctttgcac tgtcatggat cttctcatgg caatatcgtt acagcaagac tgaaaagaca 60

aaccaatatc catcactaca aagacacgca tttgtaaaat ggtggacaca atttgactca 120

tccaaagcgg atccagaaca agtgaaactc tggttccaat cccatccaga attcctcaaa 180

gcagctaatc cagaaacttc tgtgtttttg aaccaaaagt ctcatctggc agcattttta 240

gcaggatcga aatcaaagga ggtcttagct aaaaatctaa aggaagttct gcaaatgtta 300

cagcaggaag aagaaggttc atcctcaaag aaggaagaaa caagttctgc tgaagaagaa 360

<210> 15805
<211> 401
<212> DNA
<213> Glycine max

<400> 15805

tgtaatactc tatggaagtg aagactaaca gtttcaccag agtgtttaaa gaaaatggac 60

atcatatggt ttatgacatt atccctacta tgtaaagaaa ctttgctact tgttcttaat 120

tgttgctcgt cgtgtatgtc gaactccact tcaatctctt aatatggtgc atagatttga 180

gaattgttga ggacccatat gaattacatc acaacatcga tcattgtcgc aaatgtattt 240

cattatttca tctctaactc tctccccgtg ttctcttatt ctagaaggta tttgtgttct 300

tctttgattg tttttcaatg cacaaattaa ccatatcatg aacattactt gcatgatcac 360

catttgaact agaaaaaata tttgaattta atatcttcac t 401

<210> 15806
<211> 364
<212> DNA
<213> Glycine max

<400> 15806

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agtcgaagag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120

ggatgtcaat atggccactg atgaagcctt ggaatgagaa accaagaagg cccgaaagga 180

agaacatgac caaagcaaag ttttgagggg ctttataggg cagcaatagt gagctcaagc 240

tccgaagagg tgaaaggaat catcacgggt caaaggcatg atcttgaagg acgagctaaa 300

ggcttgcctt atgtcgaaaa gaaaattgtc ccaacagtta agcgagactg aaaggaatat 360

gtgg 364

<210> 15807
<211> 389
<212> DNA
<213> Glycine max

<400> 15807

ttaaaagatt ggctaagatt ttgttaacac ataatcactt agactatgaa ggagagctgg 60

agttgctgca catgatgtcc aacgttatat caaggaatga gatcgggctg cacaatgctc 120

aacgctagat gaactgtcac atgaagtatt gaagctgcac gatccacgat gtctaataca 180

atgtcctgac atgctgcccg ataatactgg acttgctgct caatgcaaga tataagtcaa 240

gtgctgaact gaagttgcat gatccacgac gtctgataca atgtcctgac atactgcccg 300

aaaatactgg agtcgctgtt caatgcatga ttacagtcga gtgcaaaatt gatgctgcat 360

gatccacgat gtcagacacc atgtcctga 389

<210> 15808

<211> 359
<212> DNA
<213> Glycine max

<400> 15808

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tattacatta ttccttgttg tgaatatgtt tgacccaaat ggttgtgatg acaatgctac 120

atggctatgt gtgtatgtgt attccattaa cgactgatgt tttgctatat ctaaatgcaa 180

gcgctgatat tgtgatatta atgttaatga tgtgtggacg gttacactta gaacaatgtt 240

atgtgatcaa tcccagatag gaagagtgta aatgtgagga ttattatatc aagaaatgtg 300

agttaacaag atgaagtatt gacaagggta gtaaaatgag aacaagatcc ttagataat 359

<210> 15809
<211> 398
<212> DNA
<213> Glycine max

<400> 15809

ttatgggggg acactgaagt cagttgggaa gcacatccct cattgaatac agcaggtggt 60

atcttatgca tttagagtga gaaatctttt gtgctagaga ggaaggtcat tgggaatgga 120

tttatactgc tgataggaat gtggcttcaa gaggccgtgc gagttcacat tgtcaacatt 180

tactcgccct gcgatattca gaataaaaga ttgttgtggg atagttttaa gcagctgaaa 240

agccccacat ctgggggtct ttggtgcata gtaggtgatt tcaatagcat taggcagcca 300

acagagagaa tgggtgtatg ccacagagct gtggaagacg gtacctctag ggagttcaat 360

gattggattg cggagttgga ggtagaggaa gcaccatg 398

<210> 15810
<211> 364
<212> DNA
<213> Glycine max

<400> 15810

agcttggatg aactcttaac ttatcggcct acttttatgc aacccatttc agaatagctt 60

gcatgttttt gaaaatctta ccacaactat gctcctccag aaagatttta atttgaaatc 120

ttttttgtaa ctttggttca agcacaataa ctaactctcc taagggtgtt catagcgctt 180

attattttta atatattatc ataatgtaaa atctattgac taaacttata taattattat 240

gctatattat ttttcattaa aatttgttta acatattttt gttgaaaatt attaattttt 300

tacttttatt tggaattatt aaaaaaaata atataatcaa ccttttttgt aacataatag 360

taaa 364

<210> 15811
<211> 394
<212> DNA
<213> Glycine max

<400> 15811

tagcaaatta gaatatttat acctttctgg aaacttccta gtgggccagt tgccatcatc 60

attgtttggg ctaactaagc ttagtgattt agattgttcc gacaataaat tagttggccc 120

aatgccagac aaaattagtg gactttaatt tctaatttaa tttatctgga tttgtctggt 180

aactccctgc acgaaacaat ccccatttat ctggatttgt ctgggaactc cctgcacgaa 240

acaattcccc aatggtgctt ttctttgtca tcgttgttac gcttatctct ttacggaaat 300

cagcttacag gaccaattgg tgaattctct tctttttcct tgtattattg tgatctctct 360

tataacaagc tacaaggtaa tatcccaact caat 394

<210> 15812
<211> 314
<212> DNA
<213> Glycine max

<400> 15812

atctttctgc ctgcttgtac ctgcaatttg atttagatga atatccagac aatgatgcat 60

ctatataggc cacatgtcaa tatccattac ctgcacataa ttccgctcac atatgttgtt 120

aatatgaaca ggaatcgatg catctgttcc tattccattc ttctccatca gggatatcag 180

ctcactttca gtaaggaaat ctggaggact ggtgctcccc tgcagaattt gtggtgttag 240

ctatgtgtaa tacacacaga actccaatgg gaaatgaatt tcaaccttat ttcttctccc 300

cagaaatggt tata 314

<210> 15813
<211> 397
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15813

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atgtataacg tcacggggtt gaatgaataa actgaattaa tattataaaa tttggttttg 120

tacttttatt gtctacataa aattacaaca ccaaattttt agaggatgcg atgtaaagaa 180

gtttttgaat tttgatggac gatgtaaaga agtttgtttt attaagttgt tgaaactcaa 240

atgtttgcat tgtaaaaatt gtcaaaactc attgttatta aacttttact taaattactt 300

ggtaaacgaa aatgtataaa tggttaattg tttccttaat aacgaaattc tatttgttaa 360

atttaatagt atatttattg aaggaaattg tattact 397

<210> 15814
<211> 255
<212> DNA
<213> Glycine max

<400> 15814

tatcttatat atgaaatatt gctcatgtgt taataggggt atgtgtatta atattcaact 60

atcttctagt aaataaataa cgatcatatt tgggtgtggc cttcctaact aatatttgta 120

tcattttgat attgcaaatt ttctgtattt gatcaggaaa gagattcgtg tatgcatata 180

ttaagtgaag gtacgatatc taagacaaaa ttggcaagaa atcaactaat tagtgcatgg 240

ctttatttgg cgact 255

<210> 15815
<211> 375
<212> DNA
<213> Glycine max

<400> 15815

tatcttatta tctgagattg gatattatgt ataagtataa attatattct aattattaaa 60

gtcatatatg tattagctaa ttgaagatga ccttgagagg ctgaaactgt gcagagacta 120

gttcagcatc tacccactta attcccaact tcggaggagt tgaaaatggg gaagttgaaa 180

ttgctcgcag agtggaggga ctatttcgct caagcatggt tctgctacat tttctttttc 240

atgcttataa attataatca tataccttct ttttatttaa gaatgattgt ggggggtgtg 300

atgtattgta tatacgataa cacgcgttca agtctctaag gaatatgaga aacatttagc 360

cgaatattta atatg 375

<210> 15816
<211> 347
<212> DNA
<213> Glycine max

<400> 15816

agcttctata gaaggttcgt tcctaatttc tctacaattg catcacctct caatgagcta 60

gtgaagaaga atgtggcatt tacctagggt gaaaaacaag agcaagcctt tgctttgcta 120

aaaaagaagg ctctctaagg cacctgttct agctcttcct aacttttcta aaacttttga 180

gctagaatgt gatgcctctg gagtgggagt tggagctgtt ttgttacaag gtgggcaccc 240

tattgcttat tttagtgaaa aacttcatgg tgccaccctt aactacccta cctatgataa 300

agagctttat gccttaataa gagcactccg aacttgggaa cattacc 347

<210> 15817
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15817

tgtagaatgg ctagacatga tacatgtcag ggtttggttt ggttcaagga taaaagggat 60

gccccatatt atttccatga cacaaatgca aaaatgatga tttggaaact ttatgcaaaa 120

ctggtcatgc atgcatctat gcggacactc aaatgtcaaa tttttatggt catgtgatgc 180

tagggctcan gattcatttc ctctatttta atcaacccaa tgtttccaaa atatgttctt 240

ttatcaattt gtgcattcat ccgagtccat ttcgggcgtc cggggaaatt tcacagcatt 300

caccttcag gtgtagacac attttccaaa aattgattat gatcaatgaa ttttttcaaa 360

gaaaggttgg aaatcgtctc ttttcaaaag catg 394

<210> 15818
<211> 346
<212> DNA
<213> Glycine max

<400> 15818

agcttgtaga atggctagac atgatacatg tcagggtttg gtttggttca aggataaaag 60

ggatgcccca cattatttcc atgacacaaa tgcaaagatg atgatttgga aattttatgc 120

aaaactggtc atgcatgcac ctatgtggac gctcaagtgt caaattttta tggtcatgtg 180

atgctaaggc tcaagattca tttcctctat tttaaatcaa cccaatgttt ccaaaatatg 240

ctcttttatc aatttatgca tttatcctag ttcatttcgt gcgttcgggg aaactttcac 300

agcattcacc cttcaggtgt agacacgttt tttcttcaaa aatcgg 346

<210> 15819
<211> 390
<212> DNA
<213> Glycine max

<400> 15819

tggattgatt cagtctaact agggatcgag gtttagtaat ttaggctaca acatagaaca 60

caaaagcatg attgattaga gaaacatctt tatatacatc agctggtttg ttagaaaaac 120

tcaatacctt tacctattgc tatcaatctt acttgcattt ttactgtttt tagcctatac 180

ttagtttaat tatgttctaa ataatcaatt atcaatgttt ctttcaacaa tgctttattt 240

atgaatttaa ccctgtctaa tactagttcc ctgagtttga tactcagatt caatcgtttt 300

aattttaaat acttgacgat ccggtgcgct ttccggcaaa tcggatttcc cttgaacata 360

tttgtataaa gaaaaagtgg accaaaaagt 390

<210> 15820
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15820

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atctatttcc tcctttggag actgaaaatt cttataaata ttaccgttta ctataatgac 120

ataataagaa aaaacgtctc acaatgttat aaaacacaaa agataaaaaa agacaaccct 180

ttgaaaaaga agagaacaaa ttaaaaaaaa aaaaaagaga gagctacatt acaataataa 240

cacacttaca ataaatgctt ataacactnt gtataatttg tttttcttta tcacataact 300

tgtcttattt aatactctgg ttacagagaa acatccttgg cagagacaga aagga 355

<210> 15821
<211> 391
<212> DNA
<213> Glycine max

<400> 15821

tggaggacag ctttgtttga agcaagtaac ttccctggcc accatattac cactcgctcc 60

gggtatgtac caacaattcc tttcatattt tttacttgtt ttttttttct tgttgagttt 120

ctaaaacgtt tcgatccatt gctatagaat gatttcttat ttttatttaa aattgactta 180

aatatgtttt tgagatttat tattcttaat ctgatctcca agataaaatt tatatgtttt 240

tagtccctca aattttaaac atgttatttc tagtggttca ataataaaaa aatataaaaa 300

aaagtcaagt ttaaaccata aaaaaaagtc aaaaagaaac ttaaaaagta ttttacaaat 360

ttaagacctc aaacttgaga aattaaaaat a 391

<210> 15822
<211> 259
<212> DNA
<213> Glycine max

<400> 15822

atcttgtcca gacactacat tgattgaaca gtataataca attcgaagaa gaaaatatga 60

aaaagcttag atacagctcc ttggtttttg atgttgtttt ccaatcagaa ttggagtttc 120

actctagaag tccacataat atagatgtgc attaaaggat tctgtagatt attgaaatga 180

aactccaatt ctaactgata acagcaccaa ttgcacctaa agaactgtat gcaatgtttg 240

tccaaaaaat ataccttga 259

<210> 15823
<211> 389
<212> DNA
<213> Glycine max

<400> 15823

ttcatgactt gcaatctttc tatagaatgg tgacttatac gaaaatgcca caaatctata 60

gggatgacat tacattttgg atgggtaatg gcggagcata tggatcttga atgtgatggt 120

ttcaaggtaa gctgataaag cccatgactc acttcaactg taccaatctt cgctttggtg 180

ttgatatcct gcaaaacaca agtattagag gagaagatta actcgtagct gtttgtggaa 240

atgagtttgg atatggatat gagattaaag ctaaaagaag gtatgtatag aacatctttc 300

aatgtaattg aagaggtgag atggacggtt cccgagtggg tggcatgaac ttcgtgtcca 360

tttggtaact taactagaat gggtttaat 389

<210> 15824
<211> 323
<212> DNA
<213> Glycine max

<400> 15824

tgcttctttc atgaatattt tgaatattac cacatgcata cgagaatagc agttagacaa 60

tattacatta ttccttgttg tgaatatgtt tgacccaaat ggttgtgatg acaatgctac 120

atggctatgt gtgtatgtgt attccattaa cgactgatgt tttgctatat ctaaatgcaa 180

gcgctgatat tgtgaaatta atgttaatga tgtgtggacg ggtacactta gaacaatgtt 240

atgtgatcaa ttccagatag gaagagtgta aatgtgagga ttattatatt aagaaatgtg 300

agttaacaag atgaagtttt gac 323

<210> 15825
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15825

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atcttatgca tttagagtga gaaatctttt gtgctagaga ggaaggtcat tgggaatgga 120

tttatactgc tgataggaat gtggcttcaa gaggccgtgc gagttcacat tgtcaacatt 180

tactcgccct gcgatattca gaataaaaga ttgttgtggg atagttttaa gcagctgaaa 240

agccccacat ctgggggtct ttggtgcata gtaggtgatt tcaatagcat taggcagcca 300

acagagagaa tgggtgtatg ccacagagct gtggaagacg gtacctctag ggagttcaat 360

gattggattg cggagttgga ggta 384

<210> 15826
<211> 215
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15826

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gtagtggtgg aggagacctc cttaattcac cctacgtctc ttccgccatg acttanggag 120

ttttctttct tctctctcct tctttacttt tattgatctt atgattgtgc tacattgagg 180

acaatgtgtt gtttaagtgt gagggggggg ggggg 215

<210> 15827
<211> 400
<212> DNA
<213> Glycine max

<400> 15827

tctgtaatcg attaccagaa gcaaaaatga ctttgaaaag ctttcaaaaa gtttgaattt 60

taatttttaaa agatgtaatc gattaccact attgtgtaat cgattaccag tgacagaagg 120

ttttgaaatt caaactgaaa agacatgact cctcaaaaat taattgtgta atagattacc 180

acagatctgt aatcgattag cagtgagaaa atttcaaaaa taactctgaa aagtcacatc 240

tcttcataag tttttgaaaa gccaccaaag gcctataaat atgtgacttg tgttcgaaat 300

tctggagagt tttttagaac ctcattgtct tattctctca taagaaaacc ttgggccaca 360

cactttcaaa acaattaagg attcatataa gttcttcaag 400

<210> 15828
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15828

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acgtcgaaga acggttgaaa tctttgcgaa attcctcacg gaaaacgtta cggaaacgtt 120

tcggaagcgc ctcggcttan attttcttca cggaaacaat ttttccaagc atattcgaaa 180

gagagagaag tgcctaaggg gctgaacccc ttccttcttg ccttcctccc ctatttatag 240

cataataggg gaggtggttg ccgcccagct cgcccaggcg agctcagctc gcccaggcga 300

gcagggttgc ttcctcc 317

<210> 15829
<211> 400
<212> DNA
<213> Glycine max

<400> 15829

tgtaatcgat tacacacata cagtaatcga ttactttagc acattttcaa aaaatattct 60

caacagtcac atctttttat gtggttcttg aatggctatc aaaggcctat atatatatgt 120

gacttgagac acgaatttaa gaagagtttt tggagaacaa aaaggtctta tcctattaaa 180

aagcaaatcg tgttatcctc ttacaaattc cttggccaaa ttacttgtga ttcaataagg 240

aattatttga gtgctcaaat tgttcagtct atctctttca agagagattt cttcttttct 300

tcttcttcat tctgaaaagg gattaagaga ccgagggtct cctgttgtga aagaattcta 360

aacacaaagg aagggttgtc cttgtgtgtt tagaacttgt 400

<210> 15830
<211> 351
<212> DNA
<213> Glycine max

<400> 15830

agcttatcac attagggata gtttaaagtt taaaccacca aaacatattg cattttataa 60

atattaaaac taactctcaa ctcatatttt agttgttaaa atagtcatat aacacattaa 120

tatttttact aaaaataaca tatctataaa ttaacgaacc tgtgaagctt ggtaagtttt 180

tctaaaaccg tacaaccaaa gctactaaac ccgaaagaaa cattgcaaaa aaaataaata 240

aataaaccct gacattttac taaataaact aggacaggtc ataccttaac tagaataagt 300

cataaacatt taatgaacga tctaataact tatccctagc ttttttttt t 351

<210> 15831
<211> 401
<212> DNA
<213> Glycine max

<400> 15831

tttaaacttt gaggaatcat gaattcgaac agactctaaa tatttttcca gttttgcttt 60

ttcttggata ttttcctggc aatacagtac aacaaaacat aaagcaacaa gcaatttcca 120

tccttgtaga gacatgtctt tgttaagtgg tggaatcaat ttgacacaac aaaagcagaa 180

ctagacaagg ttaaaatcta gtttaaagct catccagagt tccttaaagc aactgatcta 240

aagacttcat tgtttcttaa tcagaaatcc aagctagcgg ctttcctaga aagatccaag 300

tcaaaggaac atttgaccaa gaacttaaaa gaagttcttc aactacttca actacacata 360

gaaaatacaa atacctgaac acatcctatg tgtaggtatt c 401

<210> 15832
<211> 363
<212> DNA
<213> Glycine max

<400> 15832

agcttgagag ggttatggac cgaacgatag aatgtcttat ccaaaataaa ctgtatgtag 60

atagctgaag tcttcttttt ggctcagaac gatcaattgc tgtgataagt cccttaactc 120

ctgcctgaca aagatcttga aacctccggc cacttgcaaa atcttgaaaa tatttgctaa 180

tcacgaacaa cacaagccgg agattgtgct gcaaccgaca tcacaatggt ttcttaatct 240

cagtataact aatactcatt ccaaagaata tcaacaaaca ctgcaacaat taaaccattc 300

atatccaaag agacaaagag agagaagaaa tatgaacgga gatgtcatat atcactgatc 360

ttc 363

<210> 15833
<211> 398
<212> DNA
<213> Glycine max

<400> 15833

tatcagaagg ggaatggtaa aataccacct caagctgata ttattaaggt ggcaaagtgt 60

ttcttttgca agaagaaggg acacatgaaa aagaattgcc ccgggttcca gaaatggctt 120

gagaagaaag gtaaatcaat ctcattagta tgttatgaat ctaatatggt tagtgttaat 180

attaacacct ggtggattga ttctggatct actattcata ttgcaaattc tttacagggt 240

atgcaaaacc taaggaaacc agtgggaagt gagcaaagca ttttatcagg caataagcta 300

ggctcacatg tggaggccat tggaacttgc attttgactt taagtagtgg ctttatttca 360

aaattagaaa ggacttttta tgtaccaagt ttttcccg 398

<210> 15834
<211> 368
<212> DNA
<213> Glycine max

<400> 15834

agctttgaga agtagtctat tgcttttctc tcatagccat tcatggcaag tgatattata 60

atgaagttcc aacatgataa tcctgttgtt gtgggtgatg cccgaaacac ttgaataccc 120

tttacgatag ctccacactt gcagtacatg tcaataatta ttgtgagaac aacgacattc 180

aactcaaaat tccccttttt acataatcat gaacccactc cccatgttga agtgcaccta 240

agtgagcata aacacttaac aaactcatca ctgtaaattc actaagctga acccttcgtc 300

tctgcatctt gcggaaaagc tccaatgcct ccataagccg tttattcctt acatatccac 360

taatcata 368

<210> 15835
<211> 403
<212> DNA
<213> Glycine max

<400> 15835

tatagaatat ataataaaag aacaatgaca attgtttagt ctattcatgt ttcctttgat 60

gagtctaatg ccattcttcc aaggaaggat tttttagatg atatttcaga ttccttagaa 120

gatacacata ttcatggaaa tgactctaaa gaaaaagatg aaggaagcaa tgaagattct 180

caagataatg gagttagaac aaataatgaa cttccaagag aatggaaagc ctcaagagat 240

catcccctcg acaacattat tgctgatata tcaaaagggg taacaactag acattctctt 300

aaagatttat gcaataatat ggcttttgta tctatgattg aacctaaaaa tataaaagat 360

gccataatag atgataactg gatcattgcc atgcaagaag aac 403

<210> 15836
<211> 347
<212> DNA

<213> Glycine max

<400> 15836

tattttctcc cctattttgc tataaatagg gggagaagtg ttgaagataa gggttcagcc 60

tcttaggcac ttctctctct ctcgaaattg cttaagaaaa ttgtttccgt gaagaaaatc 120

caagccgagg cgctttcgta acgtttccgt aacgtttccg tgagtaatta cgcgaagatt 180

ctcgaccgtt cttcaagatt catcgttcgt tcttcgttct cttcagtctt caacgggtaa 240

gtacttcaca ccaagctttt caaatcattc tatgtatccg tgggggtcca cattttgttt 300

catgtatatc tattctcgtt ttcatttact ttttatacct ccctttg 347

<210> 15837
<211> 246
<212> DNA
<213> Glycine max

<400> 15837

atctagcttt attgtacagt tttgatcatg acataagttt tgctttccat aagtcgccat 60

aacaatgact gatactagtt ctagattagt cgaacaaact atcacaaact tatgtcatga 120

tttatgattt tgttggcgat catgcacgtc tcgagttgac tactttgctc tttgtaatga 180

gaaatatttc gtataaccta tcaacctcat tttagtccag tcacactatt aaaccattgc 240

ttttgg 246

<210> 15838
<211> 390
<212> DNA
<213> Glycine max

<400> 15838

tcagatgagt ctattaatga atcccctatt cgattttatt tatagaaaaa tgaaatcgtt 60

cataggcctt aaattaatag tttaagcttt gcgggagagt ttgacgttga aatggtgtca 120

tagtctagtg ttaagttttg ttggactctc ttcttaggtg gagtaaagat tcaaatgaga 180

aggttcattt tgtctcactt atttaagtgg agagaggtca aattaaggtg agaaggactt 240

aattatttgt gagggaaaaa caatggtcaa acattgtgag agaaaagata ggacaaatca 300

ttttgatttt tgcacaccca ccggagaaca tttttcacat tataataaca aattcgttca 360

ccgttggatc agactgattt ttggacagta 390

<210> 15839
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15839

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ccgggatcct cttagttgtt tgtaagctgc tttcttccat aaagggtttc atatcctagt 120

acttagtaca tgtgctcctt gaaccttcct gtaattctat gcttttcaca gtatatacat 180

gtatatgtcc tagactctct tctcgccgtt ttatttgcgc atgtctaggg aatacatgtg 240

gataacgtag agtctttgat agtattccgc gcgattcaac tcagcactac gatgccttca 300

tcagaattat ttatgagtta actgttattg tattactgtt catgcttgag tttgattagc 360

taaaggtccc gtagctttat cttatctttt acctagactt agattctcac tccacgaagt 420

cctgtcgtca gtctttctgc gaatacgcc 449

<210> 15840
<211> 373
<212> DNA
<213> Glycine max

<400> 15840

tcgagccaga aacctgtcac accattttcc tcgttttggg tgagaacgtc aatccttacc 60

ctctgaagca atatacagag agacggaata tttcctatcc attgaccaca gagacgattt 120

gacatcctca atctcataga gggagatcgc atctcgaaat gatagaatat tcccaatcac 180

tgagtgggac gcaagaataa ctcacatatg agaatcgcat gaaataactc tcctgatcaa 240

cgatctaatg aatacagaag aaatgtgcat aaaggtcttt tgaccatact atatttgaac 300

aatacataat ggtcatcaat tgaacaaaag aaagaaaacg aaaccatgac ctattgagga 360

cttatccctt tga 373

<210> 15841
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15841

ccctctcgcc tcnccacggg ctgggtatcn attatactcg cttattagac acacctcagg 60

tacaaagaac tgaggcaata caattgatgc attgaaacct tcgacgctta agcgtatata 120

acgcgatctc tggagcctct tgaaagcccg ttttctgcca actaacgcca ggaacgagta 180

aacctacaat tagagaacat catgccacta tatatggcat ataacaccga gacgatggct 240

gagggataac ggagagcgca ggaaacgaaa atgtaccgca atagccacca aaaaactcac 300

catcccctct acaaaaaaga agatgccccc gccccgagag ggccccttta ggtcgcgatc 360

acgcctgaca gtagcctgca aaccaataca ccataaccat ccttaggaac gaccaattca 420

agcacgcgcc ttcacaaacg caagcaagac gtgcagtaag aaaaacaaat agctatctcg 480

tcccaacacc c 491

<210> 15842
<211> 544
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15842

ccgctgccac canctctggt catacttnga aaatgtaaga tgcacgtaga cggtacattg 60

tgactgcaca ctaancacac agacagcnac gcaccttgac cccttgatcc gtggnaacnt 120

cagagaccta tagacaactc aagcgtccca aggaaccaag ccaaacaaca ttaaaacatt 180

tgaggactgt cacagcgcaa acaaacacag agcaaaggca gaacacgtcg ccaaaacacc 240

gaccaatatc acagctgttc tcacaaaaag accccacaga acaaatcgcg cgagacaaaa 300

catgaacacg acagatcgac tcgaaaatac ttctggaagt cgacactaca taagcctacg 360

atgtgaccgt tgggaacgac tatcaaacga ccagaactca ctatgagaaa caccaacgga 420

gacctaccgc acgcgagcat ttttggcgac aagcgagagc cctgccacgc accactcgac 480

agcaaaatac acgctgaatg caaataaatg acgtgacact tgccctcaac caaaaacgca 540

taaa 544

<210> 15843
<211> 291

<212> DNA
<213> Glycine max

<400> 15843

ttcttttatg ctcatacagt tgcatgtttg gagtaggtct atgacatacc attttaatga 60

gacatctact atgaaggctc ctttaattga ttgcttactg ttctatatcc ctcacactct 120

tcggtattat atgcactcat gattccaatc ccagacactt tctaaaccac aaccatttat 180

tctactcaac tgaccacaac accatattat aaatgtcgaa ttctaactaa aacatgccat 240

atattaatgt cctagatact cataagctac tatgaagaag ttcttgctat g 291

<210> 15844
<211> 376
<212> DNA
<213> Glycine max

<400> 15844

ttagtcttga tgttgttcat gttgctcccc ctatttttaa caatcttccc ctttttggct 60

ttgatgatgc caaactcgaa tataacattg aatgcattta gagggtctga gtcttgagat 120

tagagacttg cttttcttaa tcaatcttga aaattattaa cacttaagaa aggatcaatt 180

catatcatca tcatcatcat atatcttact atataatttt actgatgcta atgcaatata 240

atgtagtgca gtactagttc atctcccaaa tgcttatata atacaatgca cgcaaatatt 300

caatacatat gcagcagttc atatatatct ccctttttatg cacatatgca gttcatctcc 360

cctttttggc gttaac 376

<210> 15845
<211> 317
<212> DNA
<213> Glycine max

<400> 15845

agcttatgtc tggtcaaata cagatttgag catacataat actcccaaca actgatgcat 60

acgaaattac ttccatttgt ttccgttcca gatcatttct aggacattga gcgagactaa 120

atttttctcc tttctgaatt ggaatgggaa atgatgagca cttttccatc ctatataact 180

ctagtacttt attgaaatat gcttcttgag acaagcctaa caatccttgt gatctatttt 240

ggaatattct atttgtatca catacgttgc ctcacccatt tccttcattc aaagttacta 300

aaaagaacct tttagtc 317

<210> 15846
<211> 387
<212> DNA
<213> Glycine max

<400> 15846

tttagttctg cttacttatt ttttaattgg gtcatatggt tgtactgtgt gtttgtgtga 60

acatcaattg gttctgctta cttgttttag gtcttggtat caatttgttg tgtgataatg 120

gctaattcca tttaaggagt tagagttatc cacctcgctg atgtttgatg gaacctgtca 180

acatgatgtg gcctgccctg actaactcgt atgtctgacg agccaacatc agcgtgggaa 240

gggttggccc attagcctgc catacatata ttttttttaa agaaaatcta aatactaata 300

ggtgtctacg gtttgggttg tcactttgga tcttcttata gtatagaaca acataggcat 360

ttgctattat ttttatatta ttttata 387

<210> 15847
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15847

agcttaacgc tcgggaggat tttgtctcac aaaactgata acgttaattg cattatatat 60

atatatatat atagggaatc tacattgtgg gtaatggggg ccattggaaa gtaaaattta 120

cttgaatata tcgaataaat atttttttcc tctataaaaa aataaatctt gccccaaccg 180

gatagctttt tcataaggta aatataaata aatgtaaaag ataaaagaga atacattgat 240

attaatttat ccttttaaat tgtactattt ttattatcaa ttttaataaa acttatataa 300

ttgtttgttt gagaaaatat tagactatgn tttacttaaa aa 342

<210> 15848
<211> 386
<212> DNA
<213> Glycine max

<400> 15848

tattaggcct tttcttatta tacctcttgt gaattcactt tctcaataca cttatttctc 60

tctccactta tccaccaaat cactgatcaa taactatttc atttttgaaa gattcaatta 120

tttatttaaa tgtgtgaaat aattaatgtg gataacagta taattgacaa aaaataatta 180

atgtaacctt aaactttaaa aatgatagat aactaaaaaa tgatttttt ttcaaaaaac 240

ccgacaatta gaaaaaccaa gggagtataa ctgaaagaga ttttttttg ctaattgtga 300

gagtttttcc atgaaacaca cgtcaaaaaa aaatactgag aataagaaag aataaggtgt 360

gttttgtatc taacttaaaa tttata 386

<210> 15849
<211> 366
<212> DNA
<213> Glycine max

<400> 15849

agcttattgt ttatggattg ccaaattcca catcatttga cattattctt aaacaaacta 60

gtttattaga acaaaaaata aagaaaaaat gtatgggctg gttttatcta tttatagaag 120

attttgagtg aaattataag attttaaagt ttatgaaatc aatagtattc tggttgatgc 180

caatagaaac caggtaaaaa tcaaatcctt tttatctcaa caattataaa gtccttgctt 240

caaatgaagg aaagcattgc tctgcctatt gttaattttt gttttactgt attgtaatgt 300

ttttttctgc ttgcatgtga aatacattca agttttatgt ttttgggttc ttatttttac 360

attcaa 366

<210> 15850
<211> 403
<212> DNA
<213> Glycine max

<400> 15850

tccatagtcg atagttggtt gagtaagtta cttgaattta gattcactag ctggtcgagt 60

aagttacttg gattcaatag agaatatgat agatttaaat aaggacataa agaatcttta 120

tcgtttaacc gaaaaataag ataaaggaca tatttttctc agattatatt atatttgaag 180

ggaaattaag atcccaacat ctaatttcac ctctataaaa taggttaatc aaggtttagg 240

tattttaatc tgattccaac ctacatatat ttgcttacct ctacattgtt aacttgagcg 300

tcgaagtgcc attgtaggta cacctcacca ctgttcgtga aggagctcac cactaataaa 360

aaatacactt tcaacatcgg ttatttacgg cattctacat cgg 403

<210> 15851
<211> 363
<212> DNA
<213> Glycine max

<400> 15851

agcttcatac aacttgttgt aattgattac aatgaggcta taatcgatta aaatagaaag 60

tttttgcctt tgaagaaaat tctctaacta agaaactttt cttcacacaa accatgataa 120

tgcatgatgt aatacaaata tcaaatgtac taagatgtaa caaccaagat aacaaccaat 180

acaaatgcca ctcaatggag ttggggatgt aaaaaccaaa acttcttcaa gctttagccc 240

ttaggttgtt cagaagctag ctagttagtt aagttgaaca tcctttagat tgctagctgg 300

ttgaaatcaa gcttaacgag gtggatatag ataaataata ggaggaaaaa agttgtataa 360

tat 363

<210> 15852
<211> 405
<212> DNA
<213> Glycine max

<400> 15852

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gcttcgtgat gatctcaaga atcaaagaat gagttcaaga tgttcaagat tgaatcaaga 120

acatttcaag gttcaagagg aaaattgatt tcaagaatca agattcaagg ttcaagcttc 180

caagaatcaa gatcaagatt caagactcaa gattcaagaa tcaagaaaag acttaatcaa 240

gataaatatg aaaaagtttt ttcaaaaact gagtagcaca tggatttttc tcaaaacctg 300

tttaccaaag agtttttact ctctggtaat cgattaccag attattgtaa tcgattacca 360

atagcaaaat ggatttgaaa aatttttcaa ctgaatttac aatgt 405

<210> 15853
<211> 362
<212> DNA
<213> Glycine max

<400> 15853

atcttcggtc tccacctagc attttcctca aaaatttttct catttttttta cctcctcctt 60

gaccattgta ggctcctcaa cccaagtctc ctccacaagc aagcccttta tcaagttgtt 120

ccttcttttt caattgatga tggaatgaaa aaatttagtg ttgcaatgac cctcctttag 180

ccatctatct cttgactttt ggcataaaag agattcatta taattagcaa ctctccaaaa 240

atcttattgt aattttagtc acttctttaa atcatcttca ctaagaccat ggctctcatc 300

aataatacct agctcattta gatctatctc aatatgcttc aacttggtat ttatcgaaca 360

aa 362

<210> 15854
<211> 397
<212> DNA
<213> Glycine max

<400> 15854

tcattcaaga cttttaccag caaagctcga tgatgctcag agctcatgag cagttccaaa 60

agagagactc tagctggggt tttgttgagt tactcaataa ctttgaactc actttgttga 120

ataatgcgga ggaactcgct ggcctcctag agcgatacct ctttcttgtc acaaccctct 180

cttccctcag aaagaccttt catcggaaca tcctcacccg aagtggggat cactttgaca 240

tttggtcctt ccgtcatcct tgccttcccc ttagcatttg agggctacgt cggtaggtca 300

gggggtgcaa atacgcgacc actgtgggtt atgccgctca gccccgtgat attggttact 360

ttggccgaca tcgagctgat gtcggtagct ccttcct 397

<210> 15855
<211> 363
<212> DNA
<213> Glycine max

<400> 15855

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tgggtttata tattgaaaaa ggacaatgac aaaagatgag agagaaggta tgagacaacc 120

aacacaatgc aaaaacaaag ttcatatcct ctccatcctc catgatcttc ctatgtgcaa 180

aaaaaaaaaa acaaatcgtg taaattatag tcaaagctac aatgaagatc caatccatta 240

gtgtttctta gttgtaaaat cctctcaaac actttctcct tgtatgtaat ctgtatgtat 300

gccaaattaa tcaagtgaat taagtttgaa tgtgaaagaa gtgatagaaa aacccatgaa 360

atg 363

<210> 15856
<211> 400
<212> DNA
<213> Glycine max

<400> 15856

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catttttgtt gaggcaccta ataatttttg gaaatgtcga aaataccctt atggtatttt 120

ctgttataaa tagtaggagg agtttttcat ttccgcaaaa tcttcatcac ttagtgtaag 180

ttgcttctga taagatcggt ttcgaagcgt atttggtctt cgactgtgta cgtgcgttgc 240

tgaagagtat acggtaaatt ttggttggtt ttcgttgctg gagaagaaga ggtacacgaa 300

atacatatag attgtcaatc catatgggtt atacgaatca gcaatccata tgactcataa 360

ggatcagcaa tccatatgac tcatacggat tgtcaatctg 400

<210> 15857
<211> 363
<212> DNA
<213> Glycine max

<400> 15857

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gaattatgac ctttcaagca atagatacaa tccaggttgg aggaatcatc caaatctaag 120

atggacaagt cctccacaac aacaacagcc tgtccctcct tttcagaatg ctactggtcc 180

aagcaagcca tatgttcctc ctccaataca gcaacattca caacaaaaat aaataacccc 240

ccctaattcg ttactatttt attactatct gttatgaacg tttggttgac cattgctcgt 300

taggagatga cctatgatca cttcctagat actgcatttt taatgtttat ttgatttggg 360

tgc 363

<210> 15858
<211> 402
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15858

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atcaactctc ccacatccac aaatcaaaca tgaacccacc atccccagtt gcccaccttc 120

aactgagctc acgtatcccc atgtagcctt tatcctcgtt cctctcagca tcgggtcccc 180

atcaacccct ccaagcttcc acaatatcca agcaattcaa tatccaaaca tcatgaacta 240

tcctaaacta agaaaacagg gcagaggcaa aaaactctgc ccaaaacaca ttccaatacc 300

acaactttcc ctactcaaat accccagtaa cattctcttc gttccgattc gttaaccgtt 360

ggatcgactc gaaagttnta ctggaggtcc ctagtaaata ag 402

<210> 15859
<211> 350
<212> DNA
<213> Glycine max

<400> 15859

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gcgaatggtc cctctcttcc cttcgcagct tgagttcatt gttgctaccc cacagagctc 120

cacgaaattt attccggcca tactcttcct tgcgagccct cttggtctct tgttcaaggg 180

ctcttgcagt agttgcattc tcttcccgta acccggcaca ctccttccga atgtgtgtag 240

cgtccaactt gaacttctcc ttggcaagtt tcgcctttcc taactcgctt ttgagagctt 300

ggacttcttc gtcctcttcc ggtgcttcaa aactatcttc gctgacgact 350

<210> 15860
<211> 395
<212> DNA
<213> Glycine max

<400> 15860

ttcctacaag tcctaattgg cattttatac tatgatcaac tcactttaga ctccaattta 60

cactaacccc aaatttagct tctctaaccc tcaaaatctc acacttttct acctacaaca 120

ttgtcattct cacatttaac cctaagttaa ctttccccat catctctacc agctttctat 180

caacaatttc agcacacaaa catcacaaag catcatcata aaaccctaaa acagaatggg 240

taaatttggc tcacatcaaa catgtcaagt ttagcatgct ttcaacaaat tccttcacaa 300

ataactacca taaggcatta acctagcaga actacccatc atatcccccc aaaacccaat 360

acccacgaaa ttcatgtgag aagaagtcca cccaa 395

<210> 15861
<211> 283
<212> DNA
<213> Glycine max

<400> 15861

agcttgcgat catgggatac cctccatata cagatgggta acctgatcgc cttaacaaca 60

caacggcctg tactagagat gtaacgaggg aactgaaaca atacacacta cgtgtgggcc 120

cacatgtgtg aaacttatcc cgatcgtgta ctctccatga gacttttctg taccttttcat 180

aaattaccct gtcatgcgtt cgttaatcat caccagtaca ctatccctgt tataactgtg 240

tccagcttgg aagccatctt tacctacctt aaacctgacg tcg 283

<210> 15862
<211> 196
<212> DNA
<213> Glycine max

<400> 15862

tcgcggtgca gcggccaaag gctatgtttg tagcttttga ctaatgtcta ccgggtaact 60

tgatttttttc tataatccga tgctgtcgtg taaaaactcg agagaagatt gagccaatgg 120

ctgatcaaga ggaaattatc ctttaacacc tcaaggcaca tgctcgacac tgacctttgc 180

atatatccac atgctg 196

<210> 15863
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15863

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ggcttggaga tgaacaggaa agttagaata tataatataa ctcagaagta attaccttac 120

tttgctggag gtcatgggtt caaatccaaa aacagcctct ttgcatatgc aaaggtatga 180

ctgagaacaa tatacctccc tccatacctt cgcatagcaa ggagcctact ggcaatggca 240

tatgaaagtt ntaattaaca ttacaggcaa agaatactct cctgtgtgct ttcatgattt 300

tatatttaga tcgactataa acattcgtaa gtttaaaaat caat 344

<210> 15864
<211> 388
<212> DNA
<213> Glycine max

<400> 15864

tgaagtgaga aagtgtggaa gagtttttct tccttctttt attcgttgac cacaaagtgg 60

tacctggaga tatgtcgcgg gggtcaggag accttgggga catcaggtgg ggtgctattt 120

cccaaaacca agcttgacca atcccgaccc aacccggtca tagtcagtca gtgaaaacct 180

gtgatgtacc taaacaggcg agctcctggc agtcaaacga taaaagaaca aagaccacaa 240

agcaaggagg cttgtgtggt ggctggccag ctatggatct tgagtgatat ttggaatatg 300

gcctctggta atcgattacc aagggtgtgt aattgattac aaggcttaaa aatgaagaca 360

agaagttaag atggcctatg gtaatcga 388

<210> 15865
<211> 162
<212> DNA
<213> Glycine max

<400> 15865

atcttgtcct gaaggcccct ttcatagttc gaaggaatgc ccctcttcca taggggcttc 60

ttaagatcat tgcaatactc tactacacga ttggtagtct gggacaacga ctaacttttg 120

tgttaaaaca tggataattg tatcaaactc ttgcaattta tg 162

<210> 15866
<211> 392
<212> DNA
<213> Glycine max

<400> 15866

tcaaatatgt tcaaaagcgt aaaacttcca tcttcttcct tcttctattc ccttaaatcc 60

tcccacaata cccccaagct cctcctccac caccactgac taccagtgat cgccacaagc 120

tgctttagct tgccatcgga tcactgcacg gaggagaata gcttgatcgg agaggaatct 180

taaaaactca actcgaggat accgtagaga atgaagccta caatccttcc ttcatggttt 240

ctgccaggga atcatgattc taagccttct ccttgttaga tagagtctat ctttgcatct 300

cttgtgactt gggaaccatc attggatgtt tctatacttc ctttgagaaa ccctcgaaaa 360

tgagacattg taaaagttat ctattcataa ca 392

<210> 15867
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15867

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ggatctctta tagcacgcgt ttcatgacaa ctgggctgat tatggggaac tctgtcagca 120

gtgagtacta acgtggccag aatagcgaat tgacgccaca acaatggtgc tacaccattc 180

atatatgcac gcgataaacc gcccattccc tgatgccaac tccaactgag cttactggac 240

tccacgtaga cgctattgtc taggataaaa tgaacgtgac tccatctatg ttttaaggtt 300

acttaagatt cagagggacc tctgtcttat taagaccagc tcttcaaaac tagctttata 360

aatgcatgtg ggaaactctt gtagacaaca aaaaaataca ggtttttttct ttaagacacc 420

ggagaaatcc ttatcg 436

<210> 15868
<211> 392
<212> DNA
<213> Glycine max

<400> 15868

cttagaccgt cgtcgtagcc atcgtgcccc tcactattct tcaacccata ccagtccacc 60

cactcccacc tttgctaccc caccacccaa actttctttc cgtcgattat caccggagga 120

gatagccatc aagcgagaca agggtctcta ttattattgt gacgagaagg ggttaacagg 180

gcatcgctgc caccccgca tccacctcct catcgcagac gaagatgtgg atttgtccct 240

atcaccatgc ccacccgaat cccaattcca tcaaggggtt cttctccacc gttgccttcc 300

gacgactctc cgccttaatt aagcttgaac gcgatgccag gaatgctagc tcctgaaacc 360

tttcgtgcgt atggcaccga tcagcatcac aa 392

<210> 15869
<211> 541
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15869

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gccacgtgtc agactcttcc annttagaa cctggaatcc ttagccattg aaacctgcga 120

acccataggc gaatagagct ccggcccgcg gatcctctaa gtcgacctgc tggcctgcaa 180

tctttgcaaa aatagaacat taatgtgaaa agggttattg tgttactgac acttgaacaa 240

tacaacacac ttacctattt ctccgggtct tgttatacga tggtgtctcc aataccaaat 300

gctatgagat gatctatttt aggccccaat gttggtctag ctaatatgca ataaaaagag 360

ttacataatt ggtccacttt ttatttaata aattattatt tgtgatatct atggggcaca 420

tttctctccc ccaagaaagt tgaaatgaac ctgtaatgtg aggaggattc ccattaatta 480

acgtggaatt aataacctcc ttataccact cacacttatt gtgattgatt gttccataga 540

g 541

<210> 15870
<211> 386
<212> DNA
<213> Glycine max

<400> 15870

tggctcctct gtaattgtta actgcaggct accttatctc ttcgcatagt gacattttat 60

gctacgcagc ttcctggtcc aaactaccat tgccgagagg tatacttatt tgagaatgtg 120

tgctttttaa acaaacatca cgtctcttaa aattaactgt ttcttctttc tggtgactgt 180

gagtggtaaa ctatgcaagc tggattcttt tcaaataatc ttttgattta actccacttc 240

atgtatcgtg caggggtcta aacttgctac actgcctcat ccagatagtg tctttgaagt 300

cctcttgatt aattgttagt atactattgt tcttgagttc tttagctatg actccttttt 360

ggttgatatg gtgctcattt ggtttt 386

<210> 15871
<211> 334
<212> DNA
<213> Glycine max

<400> 15871

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gtatgatatt acatgatgct tgctttaatt taattttgtt ttgtttagtt tctctatttg 120

tagatttcat tgatgtcact tgggaaaata tgatatgatg acatgacaga gttattatca 180

ctttgccttg ttttatgaga ttttagatta atgaagtatt caatttatgt tcttaatgta 240

aggtgtgaat taatctttgt tccttgcaat gtttcaagac ttcctttatt catcatccct 300

tccatttggt ggtttttcaa gatatactgt aatg 334

<210> 15872
<211> 385
<212> DNA
<213> Glycine max

<400> 15872

tgaggtattt gtgccatagt aggccagata tttcttatgg tgtgggcttg ataagcagat 60

atatgaatga ttcgaggact tctcatatgg ctacaacaaa gagaattttg agatatgtga 120

agggcacact tgactatgga ttgctattct ccaaatcata tcataatcaa agaataaggt 180

taattgtttt ttctgatgca ggagtggtga tgtagaggac aacaaaagca ccactggata 240

tgtcttcaaa ttacttggat caacaatctg ctggagttct aagaaacaag aagatgttgg 300

acattcaact tgtaagtcag agtacatggt tgctgtctta tcagcttgac aattagcctg 360

gttggagtca ctctttgcag aattg 385

<210> 15873
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15873

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ttctaatgaa tttcaatcta taataaagac catgtaactt ttacttttgt ttctgtatat 120

aatataataa tgatggatga ctatttgatg ggttcttaaa gcctgatgaa gttgcagctt 180

tctatttgtt ttattgaata gttatacaga aataatcctt caatttctct gtctctctct 240

ttgaactctt ctagtgtgta ttagttatag ctagatttaa tcaatctgtc agcattgaag 300

aattgtaatt tcagactttg atctttgaac tgaaaatcat ctgcattgnt tgtttgtttg 360

<210> 15874
<211> 400
<212> DNA
<213> Glycine max

<400> 15874

tgcccagaga aggagtccac agaggaaatg cttaccacct caaaagactg gaaagcggtt 60

tctaatgact cctctgcggc ctccacataa ggcatagagg acgggcagct cactaagatg 120

tcttcctcgc ctgacacgat gaccaaatgc ccctccacta cgaatttcaa cttttggtgg 180

agtgtagagg gaacaactcc cactgagtgg atccacgggc gccccaacag acagctgtag 240

ggggggttaa tatccattat ttggaaagta acttgacagg tgtgatggcc tatctgtact 300

gggagatcga tctctcccct aacctctcgg tgggtgccgt cgaaggcacg aaccaccatt 360

gaactcgatt ttaagtggga ggcattgaat ggtaatttct 400

<210> 15875
<211> 354
<212> DNA
<213> Glycine max

<400> 15875

agcttgaagg catgtaactc cacccatctt cttatagtag aacaccggta atgtgtccac 60

tatcattgtt atcatctccc tctccatcat tgggggcact acttgagctg ttagatccct 120

ccacctttgg gtgtattctt tgaaagattc atgctccctc ttacacatgt tctgtagctg 180

cattctattc ggagccatat cagaaatgta ctaatactgt caaatgaagg caaccattaa 240

gtccttccag gaatggaccc gagaaggttc cagattagta taccaagtga cagatgtcct 300

agtaagactt tcatggaaga catgaatcaa caatcttcat ctttcgtgta tgcc 354

<210> 15876
<211> 399
<212> DNA
<213> Glycine max

<400> 15876

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ccttcatcaa atcttcactg agcatctgcg attcatgtaa gtttctaact tcccttattc 120

ttttctatta ttgatacttt aggatagcaa tttaattttt agggttagat tgtaagtaga 180

atagataaaa attaggactt tgttaggagt tgtaagtggt agataatgtt gactgtgttg 240

catgtttgat aagggcctat tagaggccta caagaggaag tcgaaagact tcttcgtctg 300

catttttcct ggaaaacgtg atgaactcgc taagcgcgtc taatgcgcta agcgagttca 360

ttaattaagc cttgaatgta tacatttcca gacgaactc 399

<210> 15877
<211> 362
<212> DNA
<213> Glycine max

<400> 15877

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aaataaattt gcagtcaagc aaatgggaat gagacaatta tatttatggg cagggcaggg 120

ttggtctttt gtgaagtact agtgtattat tacttacaaa tcaacctcta tgtagtagtt 180

gtacttaaca cctttagaca cgtggacaat tctctttcat ttaatttgcg catacagcat 240

actttttcc ttctttttt tctttgtatc tttcattttc attaaaccac ctcgcatgag 300

tcacatctaa cagtaaagta aaacgaaaat atagcagaca aaggggtaga atggtccatt 360

ag 362

<210> 15878
<211> 399
<212> DNA
<213> Glycine max

<400> 15878

tgagtacacg aagaatctga agtataaagt ctatattcta ttgaactcga ccaatgactt 60

gattcattgg gatggtccaa tgaactcgcg ggtacatatt tatttaggta ttgctttatt 120

aatatttata aaacaaaata aaatgaatta aacaagtttt cttagaagat gaattaaaga 180

gataaaataa atgtaattta tattataaat taaaatactt taaaactctt gaggttgaga 240

gtgggatttt gggccaaaac cgggggcctt ccgcaacgaa tgaagcccat gttgctgagg 300

aatgagcagt agtaacaagt atgaagagat agataatcca taagcataac tgaagatgtg 360

cacggtggtt tcaagttcaa tccttgtggg atggctttc 399

<210> 15879
<211> 359
<212> DNA
<213> Glycine max

<400> 15879

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tcctaactca catacttact tgagcgttag agtcctttgt tttgcaggtc cccctcctat 120

cctcttgaca aaggctcttc tcaaagccca cgtgcaaaat gcagaagccc acttcagcca 180

catccaccct gatgtgtgtt agctcccgat tttggtaagt acatttggca tccaccatgg 240

ggccgcagta aaacatatcc tgcggtctct cgtcaacttt tgtcaataga tccagacgag 300

catctggatg ccttccgagc ttagctcacc taggcgagct ggttacttca cctctaagt 359

<210> 15880
<211> 353
<212> DNA
<213> Glycine max

<400> 15880

tcaaaatgtt acggaaaaag aatcagcaaa aaaagtgcaa gggggtatag ggggtgcaaa 60

tagcaacgag gcccacttgg gccttccatg aagttatcca aaaggcggtg ccttctggag 120

gaagcaacct agctcgcttg ggcgagctgg gtgacaatct tctacttcct ttgcctatga 180

atagggggaag gagggaataa ctaatctgtt caaccctcct ggaatgtgat attcactcaa 240

aattacggag aaaaattgct tccgcgaaga atatcctacc cgatgcactt ccgtaacgct 300

ttcttgacct tttcgtgggt gataatgcga agatcttcaa ccgtacttca tcg 353

<210> 15881
<211> 361

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15881

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tattcaatcc ttgatgtttt cagcttccca ttggtatatt ttcttcatct tttggtgctc 120

caaattgtgg gaatatgctt gtatttgtgg ggcagttttg gtttgttttt atgcttgttt 180

tcttagagtt aaggatttga atgagaagac cttangccta tgctgtattc tgaaacaatg 240

gggcatgcca cattgtcccc atcctcttgc aatttatgtc caaacatgcg ctcaccaagt 300

gctcagtgaa atgccccaat gatgtatgaa tatgattttg taaaattggg agagtgggac 360

t 361

<210> 15882
<211> 396
<212> DNA
<213> Glycine max

<400> 15882

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tctattttca gattgggaat gcctctcaca gcacctttgt caatgatttt cttcatgcct 120

cttaagtgca gatgtccaaa tctttgatgc catattttga cttcatcttc tttggaggat 180

agacatgtgg aggagtaact ggtttcttga ggtgtccata ggtaacaatt gtcctttgat 240

ctgctgccct tcattagaac ttcactcttc tcatttgtca ccaagcattc tgactttgtg 300

aagtttacat tgaatccttc atcacacaac tgactgatgc tgatcaagtt tgcagtcagt 360

cccttcacca gcagtacttt gtccagacta ggaagt 396

<210> 15883
<211> 343
<212> DNA
<213> Glycine max

<400> 15883

ttcttcttat ccaaggcaat tcttgagggt gaagctcctt cttccttggc ttattcccta 60

gtggatggtg cctcccctgt cctcttctcc ttttgcttcc gctgcatctt catggtggaa 120

aatcaccatt gaaagacctc attgaagctc aaagatccag cctccataga agctccacaa 180

gcaagcttcc atcaagtggc aatcagagca caagagcttc aagtatgtgc tccttaaacc 240

tacattaata tttttgctta ccttctcttc cattgttttt tattcatttt tgctccatgt 300

atatcctcaa atgccttgtt ctaaatgttg ttaacatgat tct 343

<210> 15884
<211> 386
<212> DNA
<213> Glycine max

<400> 15884

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caagaaagga attaaaagtc tcggattcga aaacttacct gttgaagaac gaagaacgaa 120

cgaataacga atgaagaacg acgaaaaacc ttcacggatt cgctcacaga aacatctcgg 180

aaacgttacg gaagcacctc ggcttggatt ttcttcacgg aaacaatttt tttcacccaa 240

aatagctgaa atgcatagct aggcggatct gggatcctta ccctttcgcc tatttatagg 300

aaaaaggggg aggaggttgt cgcccagctc gcccaggcga gctgcattgc tatctctaga 360

agcaaccctg cttccaaaat actcta 386

<210> 15885
<211> 422
<212> DNA
<213> Glycine max

<400> 15885

ttgagcttga cattgaggcc ttgatcactt aggcgattct agctcgtacc cgggatcctc 60

tgagtcacct gaggctgcat cttacaggaa acccttcgca ttgtataatt tatttccccc 120

atgaacccag agctgtcttg gtcaaactat gatcccgaat tcgttaaccg ttggatcatt 180

gtgaaatttg gatatgtcgt tcgaaatata attgggcccg ctataaccgt tgtgatttgc 240

gagatgatgt tcgtggaaag agaaaaatga atcctatgaa gataggctaa atggaggctt 300

caatccctct tacgtttctc ttatgttggg gaaccctatc tgagcagtca gaggagacac 360

tggatgactc ttatggaact gctcaatatg ttttatctct ggctgaagac acgccactcc 420

ct 422

<210> 15886
<211> 398
<212> DNA
<213> Glycine max

<400> 15886

tctcaacgcc ctaaacccca gaaaccccaa ctaataaaat tattccaaaa aaaattaaaa 60

aaaaataaac gcataaaaac cctaatgcac cagaaaattt caggaaaaaa aaaaacctac 120

caacacaacc ccatctttgc acttgatccc aataacagtc ctgcaacaaa gtttcaaatc 180

taagatcact accaatacaa aaattacaaa atcatttaaa aaaaaaaaac atactcataa 240

ttattaaata aactcttttt ttcaatttta aaaccacgaa tttaaaagta taataataat 300

aataataata ataataataa tgataagtac caacccgctg ttgtcgacgg ctttagcggc 360

atactcgatc tggaaaacgc ggccatcagg ggagaaag 398

<210> 15887
<211> 332
<212> DNA
<213> Glycine max

<400> 15887

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gcaaatcaat tctccacatc cacaaatcac acataagccc accatcccca gttgcccacc 120

ttcattgagc tcacgtactc ccacgtagcc cttatcctcg ttcctctcaa cgccgggtcc 180

tcatgaattc tcccaagctt ccacaacatc caattaattc aacatcccag catcatgaac 240

taacacagtc aagaatacat ggcagatgca gaatactctg cccaaacaca aacaatatca 300

caatttttctt acttaagacc cagaacattt ct 332

<210> 15888
<211> 393
<212> DNA
<213> Glycine max

<400> 15888

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tggttaacgc tatctctaga atattttcat tggattgaat gatgaaatct gtgcattttc 120

aggtgaaaaa gaggctaagt tttgaattgc aaaaagtagc agttgggcta agcgcttatt 180

caccgctaag cgtagcttca gagtgcttag cgcaaaggag aatctggcag agcatcagga 240

tcaaagctgc gcgctaagcg tgagatcagt gtgctaagcg tagtaggtgc cttcagccag 300

gctaagcgcg agactggcgc taagcccaat tccacttact cgcgctaaga gcgaaggtgg 360

cactaagcgc aatgtcgcga tttcagggcc tat 393

<210> 15889
<211> 348
<212> DNA
<213> Glycine max

<400> 15889

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gtggatggtg cctcccctat cctcttctcc tttgccttcc gctgcatctc catgatgaaa 120

aatcaccatt gaaggacctc attgaagatc aaagatccag cctccataga agctccacaa 180

gcaagcttcc atcaagttat gaccatttga atgtctcgag atcttccgtg gttcaatttc 240

aggcgtctcc atatgtcatg tgcctgaatc ggacctccgt aagaaaattt atgaccattt 300

gaacttctct agagcttccg tagttaattt cgagcttctc gatatctg 348

<210> 15890
<211> 391
<212> DNA
<213> Glycine max

<400> 15890

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tgccattcct tggattatag ggttgaacca agctcatgct tttacaaaaa ggttcatcaa 120

gtcaagttga aatatggaag taaccgtctt gcaaaattgg ggcaaaagat taatcgagtc 180

acatcactgc ttcatctact gccaaacata tttaggatta ttgatgtcct tgttacttcc 240

agtttcacct tgacaaagat gtcatggacc atgttgaaaa tctaaattga ttcaacccca 300

tatcttgcgt aaaaattcgc aatacttcaa ttgtacatca ttcgcatgca tccatgcttt 360

tcattggttg cattgctcgt tgcattcttt c 391

<210> 15891

<211> 345
<212> DNA
<213> Glycine max

<400> 15891

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cgtcgaagaa cgattgaaac ctttgcgaaa ttcttcacgg aaaacgttac ggaaacgttt 120

cggaagcgcc tcggcttaga ttttcttcac ggaaacaatt tttccaagca aattcgaaag 180

agagagaagt gcctaaaggg ctgaaccctt tgcttcttca cttcctcccc tatttatagc 240

acaatagggg aggtgcttgc cgcccagctc gcccaggcga gctcaactcg cccaggcgag 300

ccatgttgct tgctccagaa gcaacagtct ggagggccca agtgg 345

<210> 15892
<211> 386
<212> DNA
<213> Glycine max

<400> 15892

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cgtgagctca gttggaggtg ggcaacaggg gatggtgggt ttatgcgcgc tttgtggatg 120

tggaaaactt gttgtgcacc atcgcccgac cgccacctag taccacatgt gatgggtacc 180

ccataatcct acaagcttga gatgaggaag tgtaaaaggg tgaaacttcc tgcttttatt 240

gttgaccaca gagtggtacc tggagatatg tcgcgggggt taggagacct cggggacgtc 300

aggtggggtg ctattgccca aaaccaagct tgaccaatcc cgacccaacc cgggcatagt 360

cggtcagtga gaacctgtga tgtacc 386

<210> 15893
<211> 218
<212> DNA
<213> Glycine max

<400> 15893

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attaaggttt aaaattcttt ttacggaccg tactcatatc gaaatgatac acaatgtcca 120

ttccaaactg tccttttcaa cacaaatgtt ctgaaaactt tgaagggccg atataagacg 180

cctcaaacca tattgaggga taatgattgg gtgtaact 218

<210> 15894
<211> 382
<212> DNA
<213> Glycine max

<400> 15894

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tgctgcccaa gtatcatggt cttgcaggtg aagatcctca taagcatctt aaggagttcg 120

atattgtctg ttccaccatg aagccccctg atgtccaaga agatcatatc tttctaaagg 180

cttttcctca ttctctagag ggactggcaa aatattggtt gtactacctt gctcccaggt 240

ctattttcag ttgggatgac cttaagaggg tgttcttgga gaaattcttc cctgcatcta 300

ggaccactac catcagataa gacatttcaa gcatcacgta acttagtgga gaaaacttgt 360

atgagtactg ggaaagattc aa 382

<210> 15895
<211> 348
<212> DNA
<213> Glycine max

<400> 15895

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tattcacttc acacctattg acaatcgtgc tcactttaaa agcaatgatc aaatcaatcg 120

tcagttatgc cattggaaac aagcaaatat taaataccac actctagaaa acgctataat 180

ctaccttctc ctacaaatcc tctttcactt ttctgtccag actccacttc cacaccatcc 240

acaaaatgaa ccgcacatct ttaacagcat caagtgaagt aagtcattcc tactctcctc 300

ttcacgccag caattgtttt ttccttttct caaaatctac acttaatc 348

<210> 15896
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15896

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gtttcattta ctttttatat ccccttttga cgtgcttaag ccattttact taagtcattt 120

ctcgcttaac ttaaaaataa aataaatttc caccgatcgt ttgaattgta ttaaccgtta 180

acttcggtta aaatgaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaaa 240

aaagagataa aaaaataata taataataaa aaaatacctt ttagtaaaat aaagcgggaa 300

atcaatcgga cgttttctct ttgggatttc tcattcttaa tcgaattgac taataactaa 360

agtgaaacta aggctaaaat caact 385

<210> 15897
<211> 346
<212> DNA
<213> Glycine max

<400> 15897

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acattcaaag ctaaatgtca cttttgatcc tttatgtttt tgagtttggg tacattaagt 120

tttaaaagtc tttttttggt ccttactatt tttgaaatgt tacatttagg tccttttttg 180

aattctccgt ttacgacgct agtgttctgt taacttttta attcagatat aatacttcac 240

aaaatatatt gggggataat gcttgagtgt ctctatctat gacacactca gctggagcgt 300

ttatatgtat tagatgacac aaaggtcaac aagtgcaaaa gagagc 346

<210> 15898
<211> 400
<212> DNA
<213> Glycine max

<400> 15898

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ttttgttctt ccttttttctt gcacaaatta tgtggctctt ccactggtga tgatcatgga 120

aggctaaaca ctcaatcaat ccaaggttcc actccaagca aagcctaatt tgagttttgg 180

tttagtattt ctaatatgtg tgaatgctca tcttttttctt caatcctatt ttcgattttc 240

atgattatga atatacttag gattgaaaat gaaatagttt agggattcct ttcctaattt 300

cgactttaat cacagattgt tttagatgat attccaacct aatttgtgat ctcaatgaat 360

ttatggatta atttgattga aacaactcta atgacattga 400

<210> 15899
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15899

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tacctaaaat ttatatccgt caatgactta ctaggaatcg gatgtgttaa ataatcaaat 120

ataaatctta ttaatattca aaagagcact ataacaaatt atacattctt tttcttgtat 180

tgcccattat ccacccaaca atatacaaga caaaaaatta tctttattat gtgactcaca 240

agttatcatg tgttatttac ttggtctata ctttaatgtg tatcanatac accctattga 300

atcgaatcca gatgttcaat caaagagtat attattgtta caacttatac atta 354

<210> 15900
<211> 404
<212> DNA
<213> Glycine max

<400> 15900

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acatttcctc ccaatcatag taggttgcac cagtgattgg cctactgtcc acccttatgc 120

caagctgtag tgctacatcc tccagtgtaa ttgtacattc tccaacagaa agatgaaaag 180

tctgtgcctc tggtctccat gatcaatttt gaagtggcgt aattttgcca catcagcaaa 240

ctcagtatga gcaagcaaca actcaattaa agggtgagga gcgggcatca aatgagaata 300

caaaatgatt attgctactt gtccctataa aacaaaagat acattttcat aattgtcacg 360

acaataaaag gttataatat caattaattg gtacttacca tgtt 404

<210> 15901
<211> 363
<212> DNA
<213> Glycine max

<400> 15901

atcttcataa ggccttgtat ggtttgaaat aggctcccag agcctggaac aagagaacag 60

atacttttct cttacaagtt ggattcatga gatgcactac tgaatatggt gtgtatgtta 120

aaagagaaag tctttcagac atcctcatag tgtgtttata tgtggacgac ttgttgataa 180

caggaaaaga tttcaatgct atctcgacat ttaagcaaga gatgaaatct gaatttgaaa 240

tgtcagatct tagagaatta tcatattttc tgggcataga gttcaagagg acaaaggctg 300

ggatttttat gcaccaaagc aaatacacaa ctgatgttct aaagaggttt caaatgtttg 360

act 363

<210> 15902
<211> 401
<212> DNA
<213> Glycine max

<400> 15902

tgccagcagc aacagatttc ttgagatgaa cgaggacaag cttcttgtag gttgcaggca 60

actccttgtg cttcccttcg atgtatttgg ttatcgcgta ttggctcgaa ccggttctct 120

ctttcagact cgcaatcgcc tctgctatca tctacagaat aatcaaatta aatacaattg 180

gaaaagaaat aaactaagag aattgatttt gaaggagagt attttgggaa agtaccacgg 240

cgaagggagg gtgggagagg ggcttcttgg acgacgccgt tttcttggcc ttgggttgcg 300

atgcggtaga catgatgatg gcttgattga aactcaaaac gaaaaaggag taaccgttgt 360

tgaaattgaa acaagagata gatagaaatt ctgagagaga g 401

<210> 15903
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15903

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgngtcaac tttatcagag agaaatcaga caccttttgaa gtattcaaag 180

agttgagtct aagacttcaa agagaaaaaa actgtgtcat caagagaatt aggagtgacc 240

atggcagaga gtttgaaaac ggcaagttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatc acaccacaac anaatggcat agttg 345

<210> 15904
<211> 403
<212> DNA
<213> Glycine max

<400> 15904

tgtaggatta tggggtaccc atcacatgtg gtactaggtg gcgttcgggc gatggtgcac 60

aacaagtttt tcacatacac aaagcgcgca taaacccacc atcccctatt gcccacctcc 120

atctgagctc acgtactccc acgtagccca tatcctcgtt tctctgaaca ccgggtcccc 180

atcaatcctc ccaagcttcc acaacatcca agtaatacaa cattcaaaca gcacaagcta 240

tcacagccaa gcaaaacaga gcagaggcag agaactctgc caaaacacca accagatcac 300

agcttttctc acttgaagac cccagtacca ttacttcga tccaattcgt taaccgctgg 360

atcgactcca aaattttact ggaagtctat agtacataac cct 403

<210> 15905
<211> 347
<212> DNA
<213> Glycine max

<400> 15905

agcttgtagg attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60

gcacaacaag ctttccacat ccataatgcg cgcataaacc caccatcccc tgttgcccac 120

ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt 180

ccccatcaat cctctcaagc ttccacaaca tccaagcaaa acaacattca aacagcacaa 240

gctatcacag ccaagcaaaa acagagcaaa ggcagaaaac tctgctcata caccaaccaa 300

aatcacaagc tttctcactt aaagaccaca gtaacaattc cttcgat 347

<210> 15906
<211> 383
<212> DNA
<213> Glycine max

<400> 15906

ttgagaaaca tgtaaccctt tggcatcatc aaaacattca gcttgatcct ttgtctacaa 60

tctccccctt tttgatgatg acaatcctga aatcaagaca agctatatac aagatgatag 120

cccgttcaca tagcccttac tcccctatc ttttggcatg tatgcctaac tttaatgatt 180

ttaattgatt tctaacccaa gttctctccc cctttggcaa catcaaaaag aataagcaag 240

acaatcaata gataaacaga gtcaaacatt aaaccaaaat aaatccatac attgtcataa 300

tcaaccaaag caaagtctag aaatataata atagtgcaag attacgataa ctagagcaac 360

aaagagccaa atacacggtg ata 383

<210> 15907
<211> 188
<212> DNA
<213> Glycine max

<400> 15907

atggattgga acctcaattt tattgtctct gtgcgagggg catttttttc tctacaaaca 60

ttattttgca aatcccaacg gtgggaatat gcggaaatga gttcccaaag tggtgtccaa 120

attttatgat gctccaatgg ttaatgaata tgggatcata gttttactta gacaagtttg 180

ggtgtatg 188

<210> 15908
<211> 394
<212> DNA
<213> Glycine max

<400> 15908

tcagagctag ggagacatct ctaattctag tcagtttgag ccttagatta gggagatgat 60

ggatgagaag aacattgttt ggtgataatt ggaatagaag atcaaaagag atgatttaca 120

aaagcctgtt tggggaattg tagtacatta taaaaccaac acaaacatgt taaaatgatt 180

tttggcttga gaaatcatac attcttattg tattgtttga ttggaatcca catgaaaaag 240

agcgtgtatt gagttaaaga ggaaagttgg ctcaggagtc aagactagaa gtgtttgtgg 300

ttcaacttgc taatttggaa tggattttag ataaaaggtc atccaatccg aaaataaaag 360

tacagcttag tttggattta tttgaataca atat 394

<210> 15909
<211> 335
<212> DNA
<213> Glycine max

<400> 15909

agcttatcta gttttaatgt taggcctatc gaaaattgtc tggacctgca aacttgacat 60

tcttgatatt gtcttaggca cgaagggtgt gttaaaaata aagatctccc acattgcctg 120

ggaattcaaa caaaatactc cttatcttgg gtttaaataa catccacaac cacaattgtg 180

gctacaatac caatgtattt tgactcatca caatgcaacc gcaaccgtaa ttgtgatcgc 240

atcagctgca ttttcccgta atataaaagg tttttaactc acctaaatgt aaccaccatc 300

acaaccacaa tttaaacaat ggttctataa aacat 335

<210> 15910
<211> 393
<212> DNA
<213> Glycine max

<400> 15910

tggttacctc cttcttcaat acatcaagaa tcatcgggtt gagtcttctt tgtggctgtc 60

ttactggttt agccccatcc tctaaattta tctgatgcat acatgtggat gggctaatac 120

caggaatgtc cgccagggtc cagcctatag ccttcttatg cttcttgaga acagataaca 180

acttctcctc ttgctcatca gcaagggagg catatataat tactggaaaa cttttgcttt 240

tatccaagta agcatatttt aaatttgatg gcagaggctt caattctggt gtgggcggct 300

ggataatggt agaaagagat ggtttctcag cctgtacctc ataaagaaag tcagaggtat 360

gtgtacttcc tgaaacatgg ttaattctat ctg 393

<210> 15911
<211> 349
<212> DNA
<213> Glycine max

<400> 15911

agcttatgcc tcatggccag ttgactgtgg gggctcacat caatcctaaa ttagctcctc 60

attactatgg ccctttttaag gtgttggaga aagtcggagc agcggcctac agactttctg 120

aatctgcaag gatacattcg gttttccatg tgtcactatt gaaaaaagct gtaggtgatt 180

acaatgttga ggagacactt cccttccctt ggagttggtt agtgacaatg cagcaagtat 240

ggaaccagag gcagatttat aattagctcc gcctctgtaa cattaagcac catcttttc 300

ctaagaaatt tatatactgg gtttctagtc tgggtatttt gctttcatg 349

<210> 15912
<211> 394
<212> DNA
<213> Glycine max

<400> 15912

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gttcgtgctc gtgcgcttag cacaattctg gaccgcttag cgcacattag tgaatttcgg 120

cttagcgcgt gcctttctcg cttagcggat ggactgaagt ggtgcgcttg gcaaacctgt 180

acagctcatc ttcttccaga ttcttccttg cacttagcca atgagtgttg cgcttagtgg 240

acgctcgcta agctagcgga ttggcttagc gagaaggtga aaaaaccact tttcaaagct 300

tgcctaatta acctgaaatt gagagaaaat gattattaaa cacataaaac agaattacta 360

agtatttatt acctatcttt aactaaaaga actt 394

<210> 15913
<211> 333
<212> DNA
<213> Glycine max

<400> 15913

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tggtacctgg agatatgtcg tgggggtcag gagaccttgg ggacgtcagg tggggtgcta 120

ttgcccaaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcgg tcagtgagaa 180

cctgtgatgt acctaaacag gcgagctcct ggcagtcaac agataaaagg aacaaagacc 240

acaaagcaag gatgcttgtg gtggctggcc agctgtgaat tttgtgtaat atgtggatta 300

tggcctctgg taatcgatta ccaatggtgg gta 333

<210> 15914
<211> 400
<212> DNA
<213> Glycine max

<400> 15914

ttgagccaaa atcttgactc accataaacc ttgttccagg gtgagaatgt caatccttac 60

cctcagaagc aaaaaaagaa gagaaggaaa atttccaatc aaaggaaaaa ggagaaggaa 120

aatttccaat caaagaggaa gcaaaaaaag gaaagaagga aaatttccaa tcaaaggaaa 180

aagagaggaa aggaaattcc caatcaaaga gtgggagaaa gcaaaaagaa aagaaagaaa 240

attcccaatc aaagaatggg agaaagaaaa aaagagaagg agaagaagga aagaaagctc 300

atgatcaagg atcgaaagaa aacaaaagaa atgtgcagag aggtctttgg accagacaat 360

atctgaacaa tacggaattg tcaccaaatg aacaaaagaa 400

<210> 15915
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15915

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aattattgta atataatcga ttataagctt gtaataatca attattgttt caaagacaag 120

tttgaattga tataatcaca taaggcttac tctcatattc aattattggc ttgataaaag 180

tgttccatag aggaatttga cgaataaaga atatctaaaa gaaattttaa ctnttttga 240

aaaccttaat tatattttta ggtttcaaaa tatttttaag ccaatctagt tcaattttga 300

agccttaatn attaaacgac acttagaact ttcctcgttt t 341

<210> 15916
<211> 383
<212> DNA
<213> Glycine max

<400> 15916

tcacacattt cttcaatggc ggactgggag gtgttagata aattagaatt gttttccgat 60

ggtggtgaaa ttcaaatggg atggctgtag gagaaggctg atggtggtga cctaatttag 120

ggggttgaga aagaatgcat aggagttgat gtgatgcaag atagaggaaa cacatctcta 180

ggttgcaaaa ggttgtttgg agggggttca ggttagggca gaaaggtctg accaaatagg 240

gattcataaa tcaaggaagt ttagggataa ggagaaagga aaataggtga ttagggcagc 300

agacctacaa agctccttca ctaacatgga aagagggcta gatatgtact atcacatacc 360

tatagcaaag aatggggaga caa 383

<210> 15917
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15917

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gtccgcggat tctctatggt cgcccgcagc ctagcatcct ttaaagtggg taccacgcca 120

ttgtcttgag cctgagactt gtcaataaat attctaacag gtttaagcgc aaatatgacc 180

cattttcgcc attctccgga aagaccttag actgtcacct gggttttata aaactggccc 240

ttgacttgga ggatacaatt tagaccaaac cagtagctaa tccaaatgga tgttgcgtgc 300

ttttccggat aaacgtttta agtaacaaag ttccttattc gcagggacaa actttttgt 360

gtgctagaag gcct 374

<210> 15918
<211> 379
<212> DNA
<213> Glycine max

<400> 15918

tcccgcatcc gtacttggaa ggatctgatt actgcctttt ttatgcaata tcagtacaat 60

tccaatatgg ctcccgatcg cactcagcta cagaacatgg ttaagaagga aagggagacc 120

tttaaagagt acgcacagtg gtggagagac ctggcagcac aagtgctcct cccatggtcg 180

agagggagat gattgctatg atggtagaca ccttactggt gttttactat gagaagttgg 240

taggctatat gccctccagc ttcgcggact tggtatttgc cggggagaga atcgaagtat 300

gtttgaagag agggaagttc tattacgtct cctccacaag taccaatact aggaggatcg 360

aagcaactgg ggcaaaaag 379

<210> 15919
<211> 347
<212> DNA
<213> Glycine max

<400> 15919

atctttttga acgtcatggg aagatcacaa aggtggttct tccaccacca aagtctggac 60

aggaaaagaa cagaattggc tttgtacatt ttgcagacag gtcaaatgct atgaaagcac 120

tgaaaaacac tgaaagatat gaattacaac gtaacatatt gtccagcctt ttgtggttat 180

tttatgtgaa tgttggtcaa taatatttaa ggtttgttct acgtttcagg tcaacttta 240

caatgctctc tggcaaagcc acaggctgat caatagtctg gaggatcaaa cacacagaag 300

ccaggaccag gattgcttcc aagctatcca ccccatgttg gttatgg 347

<210> 15920
<211> 384
<212> DNA
<213> Glycine max

<400> 15920

taattcgttt gtaccatctt attttcttct tctacaagag ctcatggaga agtttattca 60

aacaggacct ttatttttagc tgttgttgct gttattaatg aatacttctg ctctgcattt 120

ttaggtttcc tgcacgaatt cagaggctca ggttgatcgt ggggtgcaga agaaagagac 180

tttcttttga cctgccttct aagctttagt aaggttgtca ccttaatgtt gagttctggg 240

aataacttga acagtagcag cagcaacagt gggataactt ctttagatat gccacccttg 300

ccccagtgtt taccactaga ttcacttaca gtacgcaata gaaaatatac aggagagctg 360

aggagggttc ttggtgtgtc tgct 384

<210> 15921
<211> 324
<212> DNA
<213> Glycine max

<400> 15921

agcttctgtc ctttgctaac tattggactg aatctcggtc cgggcaatta aaaagatggg 60

actgtacctg ccgaggaaga gggcttcttc gagggcgcag cggaggctgg attcctggtg 120

gcccaagccc tcgcaagatc cacagtgttt tccggggcag tcgatgcggg tgccccaata 180

gaggtacttt tcgaagggct gttgttgtcg tcgctgtaag aggttggctt tcgagacggt 240

ggtggaaaga agagaggaga acaggaagag aagcgcaatc gctgtcactg ctgccgcgag 300

gagcagaatt cgggatctcg cgga 324

<210> 15922
<211> 439
<212> DNA
<213> Glycine max

<400> 15922

tcaagaataa tggcctcagc atggtggctg gaaatactac aatagagaaa cctagagaag 60

agtggtctga agatgaaaga agattagtgc agtacaattt aaaggcaaaa aatattatta 120

cttttgccct aggaatagat gaatatttta gggtttcaaa ttgtaagagt gtcaaggata 180

tgtgggacac tttacaagtt acacatgagg gaacaactaa tgtcaaaaga tctaggataa 240

atacttcaac tcatgagtat gaattattta ggatgaagac aaatgaaagt atacaagata 300

tgcagaaaag attcacacat atagtttatc atcttgcatc attaggaaga acttttcaaa 360

acgaggatct cataaataaa gtgttaagat gcttaagtag agaatggcaa ccaaaggtaa 420

caaccataac agaatctag 439

<210> 15923
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15923

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gctaaaaaag tctatatgat agtcattaat aattttctag atgcttttnt aagggaccac 120

taaaagctta agttaaacga agacacatca tgaatgattt gttacatctt taacaaaccc 180

tagcacacaa gagccactct agcttcgaag cctaaataat gcgcatgtcc ttctatcatg 240

tgctgatatt ngagtttggt taaaaatagt gaaggctatt angtaaacac acgtgaatga 300

tttcatatta catctttaac aaaaatacga cgctcaagct aaagacatgt ttctatatat 360

ctgnttacac tggaatttgg taacaaccgc tagtctaagt aa 402

<210> 15924
<211> 433
<212> DNA
<213> Glycine max

<400> 15924

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aaatcgactt cagataaatc agatgagata cacatgcaca ggcacaataa attctaaata 120

aaatcattct ttttacatct atttcaagat gaaataaatg atattctgaa caaactaaac 180

atgcaagagg cataagaagt ctaccacaca acattaaagg agtgtttggc aattggtaga 240

agtgaaaatt ggaggaataa gaatgaaact gagtatctgg ggtttagact tatgttgtgt 300

ctgaactcgt catcaatttt cactccactt tttccttttc gcatatatac aaagcacgcc 360

gagagtatca ttataaacaa aatcatatta ccccttatgt gtctatcttt cttagaatat 420

gagctactta acc 433

<210> 15925
<211> 442
<212> DNA
<213> Glycine max

<400> 15925

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atttctgagc aactccttct tcaatatttc tatgagggac ttagcaacat ggagaggagt 120

atgattgatg ctgccagtgg tggagctctt ggtgatatga cccctgttga ggctaggaat 180

ttgattgaga agatggcttc taactcctaa caatttagta caagaaatga tgctattgtt 240

cttagaggag tccatgaggt ggccacgaat tcatcttcat ctactggaaa taaaaagctt 300

gatgccttgg tcaacctagt aactcagctt gccatgaata aaaaatctac acctttgca 360

agagtctgtg gtctatgttc ttctgcagat caccatacag atctctgtcc ttctttatag 420

caatctagag tcaatgagca ac 442

<210> 15926
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15926

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gaatcttcag aaacaagtca cttgaagaat tgtgactttt ggaaatgtgt ttttcgaaat 120

cagtcactgg taatcgatta ccattaaggt gtaattgatt acacatcaac agatgtgact 180

cttcattttg aattttgaaa atcttaacgt tttaaaacac tggtaatcga ttactacatt 240

ctggtaatcg attaccagag aataaaactc tttggtaatg attttgtgaa aacttcttgt 300

gctactcaat gttttgaaaa actntttaat acttattttg attgagtctt ctgttgattc 360

ttgaatcttg agtcttgaat cttgatcttg attattcttg aatcttgaat cttggaactt 420

gattcttgaa tcttt 435

<210> 15927
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15927

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tttatggtta acgctgtctc tagaacattt ccattgaatt taatgatgaa atntgtgcat 120

tntcaggtga ataaaaggct aagttttgaa ttgcaaaatg tagcagttgg gctaagcgca 180

tatccaccgc taagcgcgct tagcacaaag gagaatctgg cagagcatca gcatcaaagc 240

taggtgctaa gcgcgagatc agtgcgctaa gcgtatcaag tgccttcaac caggctaagc 300

tcgagactag cgctaagccc aatttcactt actcgcgcta agcgcagcgt cacgatttca 360

gagcctattt aaagcctgtc ttgtgtagaa tganggtacc acctttacca cctttatgac 420

attnntatga cagcttctac ag 442

<210> 15928
<211> 447
<212> DNA
<213> Glycine max

<400> 15928

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tcttcgaagg gacataagta tatcttggtt gctgctgagt atttcaccaa ttgggtggaa 120

gaaattcctt tgaatgttga tcaaggggat ataataaact tcatagaaca aaatattatt 180

tttcgattta gtatcccata aacacttata acaggtcaag gcaccatttt tattgatcga 240

aaagtggttc aatatgtcaa ttctcaaaat attaagttag taacttatac cccttattat 300

gctcaagcaa atggtcaagg tgaagccata cacaagaatt tggtaaggtt aattaagaaa 360

catggccaaa aacctagaag ttagcatgaa agtttagacc aaattctcta tgcttatcaa 420

aattcaccaa aaggggggcca ctattgt 447

<210> 15929
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15929

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aaagctttta tacataaaca tttggctgaa atattcccaa ccaataaaaa catgaagttt 120

cacttgtgtt gtcaaaactt gaacaatagc acaatcaaat aaaaacatga aattttactt 180

gttttgtcaa aactacccaa taaggaagat aaatcttctc ctcggtgaga taaactaaat 240

tagttgcgta atcaactgca actgcttaat cgtgatacgt cttgttggtg agataaacct 300

aattgagtat gctaacaggg tgtgaatata aaagaaggag aaacatgagg gataatgcat 360

accgtaggca ccaattntct ccaggcagca acatgttgtg ggaatgcaaa aaatcaaaat 420

gaatgagata ggctaatgga g 441

<210> 15930
<211> 433
<212> DNA
<213> Glycine max

<400> 15930

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aaagaataat aattgttcac acttcacagg aaacaaaagc tatgaaaagg actgaaaatt 120

taaacagcag aatgagtttg tacctgtaca aacttggcaa agccagaccc aagaggggat 180

ccaatgtaca gagccattga agctccattt agcaaggatg cgtatactag ccatggcccc 240

atcatccgtc caagattagt gggccagcac actacatcac ctttacgaac gtccatgtgg 300

caccatgcat ctgcagcagc ttttagagag taatattggt ccatggaatt gcctttggat 360

cacctatacc accaaatgag gtacattata ttagcttttg gctagcttca tatggtgagt 420

gaagtcttgg tat 433

<210> 15931
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15931

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aaaatagttt aattcattta atattatata aaaaatntaa agcaatcatt aataattaaa 120

ataaatntaa gaataaaaaa ataataattc agaataaaaa attaaaataa atttctttat 180

tataatcata aatatctatt taactaccca ttaaaattta aaacaatcat aagtaattaa 240

aataaatttc attaataaag tcatgacctt aatatattat aaatatctat ctaattaaac 300

atataaaaac atcaatatat taatattata aaataatgac aagagaaaaa acttcataag 360

agagaatgca ctcttcatat atntcacaac acacataatg taaatgtagc attctctaca 420

tattctcgtt actaattag 439

<210> 15932
<211> 429
<212> DNA
<213> Glycine max

<400> 15932

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ctcaatgaac gtgcaggcat ttcacgttgg catgcgtgaa atgctgcaca aacatatgag 120

attaaggctt gggatctcaa atttctatgt taataataat tatgtcaaca aggcagctat 180

atggagggta cgtgacgaga ggatgagcaa agacacttga gatgataagt tgtgccttct 240

atgtcaattg tcaactcctt tttaattcta ttgaataata aaaagaaaag tctaaaatga 300

taattactta taataaataa tgtctacgaa cattacaagc tgagattacc tctcaaaaat 360

aagacatgtt aaaattccac gcacacctta atggcaatat atacttttat gttgtttgat 420

tgctatata 429

<210> 15933

<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15933

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ctaaatgcac ccccctttct attttttttg taattctttt tccgtaacgt tacgaaactt 180

tacgaatttc gtaacgatac ttatttttcct tccgtaaggt tacgaatcct tacggattat 240

gtatttactc tttnttagct ntcgaagaag ttacagaaac tcacggattg cgcanaaaca 300

ccttttttcg atttccgcca cattacgaaa tntcacggat cgcgcaagcc tgcttccttt 360

tgatttctga gacgtctcga gacctcattt attgcatgtc atctagtaat aat 413

<210> 15934
<211> 424
<212> DNA
<213> Glycine max

<400> 15934

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tatgccacga tttaattatg acatacaata gatatttgag tttttctctt aaaacttgtc 120

acattgtcac aatgcatatt agtactaaca ttatttccag ctacttgtga aatatctcta 180

gtggtaagaa agacagacct tactatgtat ccatgcctct cacgtataac tcatgatatt 240

atatagatat ttttttgaag gtcagggctt aaaagcctga acactatctc aattgtgggt 300

tttatcctcc tcatattgta gttaggcctg gatagccacc acatacgtca aggggaggca 360

ccaccacttc aaggcgacca atagtattct tggcagcatt gtctggtatc tcccgacttt 420

atca 424

<210> 15935
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15935

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gtgacttgag acatgaattt gctaagagtt ttcagaacaa aaagatctta tcttcttaaa 180

aagaaaaatc gttttatcct cttacaaatt ccttggccaa aacacttgtg attcaataag 240

aaattatttg agtgcttaaa ttgttcaatc tatctctttc aagagagatt tcttcttctc 300

ttcttcttta ttctgaaaaa ggattaagag accgagggtc tcttgttgta aagaaatctg 360

aacacaaagg aagggttgtc cttgtgtgtt tcagatcttg taataggaat ttacaagata 420

gtggaactct c 431

<210> 15936
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15936

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tcattcgcag acactcgttg catacaaaac aaaccactgc atatcaaatt caactaattc 120

actgttcaaa caagctttct gtacaatcaa tcaactcaaa gtactaaaat ttaaataact 180

aaaatttaaa gaactgaaac ataaacattg aaatttaaat gactgaacat aaatcataaa 240

ataactgaaa taaactaaat tgttcaaaat gcacaaattt aaatgtcttg ctcctgtgca 300

tgctcattga gatccaacac ctgagcagct agtgaatcct gagggatagg ctgctntagc 360

tcagatgctg gtgcagatgg catggaatca tcangtatgg gtgctggaga tggctctgga 420

atctggtctg tgg 433

<210> 15937
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15937

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tcaaatgcta tgaaagctta atttaaaata tgtgtgcacc ttggatcaca atgtgtgcaa 120

tttctaaaat ggggttcaat ttaatataac aaatagcgat gtacataatg tttgtacaca 180

tttatatatg tgtggcataa tgaattttac tcgtacagct tcaggataac atggcaaggt 240

tcaggctcat aanagttata gcaccaaact tgtcggtatg ccttatacaa acataaggtg 300

aacccgaaat aaacccaaaa agcattccct atgtcttgct tattcagctt gtttagttca 360

tttggatatt ggcaaccttt tcaattaagg aattctatag tgaacaggac atatctg 417

<210> 15938
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15938

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tattatatgt tataatatta taaatgttaa ctcttttaat aaattataag tgttaaagtt 120

aatattattt tagggtttta gaaatttaaa taagttatta gataataata ttttagagtt 180

tagtctttta ataagttata agatttaagt tattattatt ttagggttta gtcttttaat 240

aagttttaag ttacatttgt atttttgac agatggctag cgaagaatcc ataataagag 300

ataatgttaa cgatttcagt gacgatgagc tacaatatga tgttcacaaa catgtagaac 360

caaggaatca aagtgagttg tcttcatatt ttgaaactat tagtagccaa ctntcagaaa 420

tcaagagtac t 431

<210> 15939
<211> 436
<212> DNA
<213> Glycine max

<400> 15939

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atatatcaag acgctcgaca ttgaatgttg aacctatgag cccattcaca cgacattaac 120

tatttaatct gatgtgtgat tgaatcccgt tatatatcga gacgctcgaa attgaatgtg 180

gaagctttac gcaaattcaa actacaatga ctttttactc agatgtttaa tcgactccag 240

taatatatcg agacgctcga aattgaatgt tgaacctatg agccaattca tacgacaata 300

actgtttact cggatgtctg attgagtccc ataatatatc gagacgctcg atattgaatg 360

ttgaacctct gatccaattc atacgacaat aactttctac tcggatgtcc gattcagtgg 420

tgtaatatat cgggac 436

<210> 15940
<211> 763
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15940

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ccacacncac cncncccccc agagcgagcg canattgaga ccatcgcaan acccgnggcn 120

cnanacaaaa aacgccgacg tgacacgana cgcgaggana cctctgcata cagacggcga 180

atatatatat ctacatcacg ccccactcac tcacgacgat gaagtgagaa ctatacgaca 240

cgaacaccat ctcacactca gacacgagga ctccaatacc acgtagacag aacatggacg 300

tctaacnaga cacacagccg aatgncacga gccagtcaag atcacgggcg ccacaccata 360

cggcgatata ggcacggaca cacacgagag agggcgcaca cacgacacac tactcgcctc 420

acgcgtacat ctgcagacca ccgccgcang acgaagtaat atgaaccagc acacgaacga 480

accgccgcac acgcactcac cagcatgcag cgtaacgcga gacatccgca caccacgnag 540

cacaagatac cgcaccacgc accactacgt cgcctcacca caacggagcc acaaccaaga 600

cagactgcgg tgagaagcac agcacgcaat cgcatccaga cngcacgcga caacgcgcaa 660

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cgacaccgac acgcatacan gacaacacga ccgctcacga ccg 763

<210> 15941
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15941

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ataaactacc acggttgggt gcttggtctt aattaagaaa gtctacaggt gtatgtatta 120

aagtagccta ggttggggtg aaccaataca attccttagt gtgttgtttc cttccttagt 180

gcttcttgtt tatccttgtt attataaact taaagtttgt ttttgaaaag ccttgttttg 240

aaaagtataa ctgatatttg atcaaaaggt tttcataaaa tagttttatt attcaaaagc 300

aacacatact ctaagtaagg aaagtcanaa ctaagatcaa aagaatttca taaactagtt 360

ttgttattca aatggaaat 379

<210> 15942
<211> 426
<212> DNA
<213> Glycine max

<400> 15942

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cataactcat tcttctgatt tgatcaccaa gtttaaacat cttcgccatg agccttgctg 120

tgtttgaaga tggtggagga gcatctccac ttgtagaagc catacctaca aggatagtta 180

gtgcacaagt aataaaaaaa taggacctca ccactcaacc tagtgtttca ctcaagttca 240

ctcgtgtatc actttttcaa ggatttttct tttataatat gcactcttgc cttttaccac 300

tcttgctcct cttcagttct taagcaaaat cttcaagctt aaaatcaaga agtattcaat 360

gtgaaatatg tcataaatca aaactcaact caagaagcca agaatagaaa tactctaaga 420

caaaac 426

<210> 15943
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15943

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cggtttctaa tgactcctct gcggcttcca cataaggcat agaggatggg cagctcacca 120

agatgtcttc ctcgcctgat acgatgacca gatgcccttc cactacgaat ttcaactttt 180

ggtggagtgt tgagggaaca actcctactg agtggatcca cgggcgcccc aacagacagc 240

tgtaggggggg gttaatatcc attatttgga aggtaacttg acaggtgtga gggcctatct 300

gtactgngag atcgatctct cccctaacct ctcggcgggt gccgtcgaag gcacgaacca 360

ccattgaact tggtttaagt ggaggcattg aaccatatca tgacactttg gtacatatgg 420

ccata 425

<210> 15944
<211> 434
<212> DNA
<213> Glycine max

<400> 15944

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ccctcggaag caaaaaagaa tagaagggaa atttccaatc aaagaaaaga aaaggaaaat 120

ttccaatgaa agagaaaaaa gaaaagaaag gaaattccca atcaaagagt gggagaaaca 180

aaaaagaaaa gaaagaaaat tcccaaccaa agaatgggag aaagtaaaaa aggaaggaag 240

ctcctggtca aagaaaccag aagaaatgtg cagagaggtc tttggaccag acaatatctg 300

aacagtacag aattgtcacc acatgaacaa aaaggaagga aaggaaacca cgacctaaaa 360

tggtcttctc cctttaatta ccaaccaaaa tcccgtgcgc tatgcgacct tttttctcgc 420

cccgcactaa acaa 434

<210> 15945
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15945

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gcctttaacc ttgacttggt aaaacctctt gccggtttga ttagtcccca tgcttactaa 120

agtgagacaa aaagctggtg caaatcaaaa ctccgatatc tcatgggtgg gatggatgaa 180

tgcatgaagg aatgcatatg acacagctgt attttaagaa tgcgggtgcc cgggacattg 240

tctccttttt agacacaacg tctaggggta gcaaagtgcc ccaatgtatg tatttaaaac 300

ggtgacccgg accctacatt gattntgtct atagagggga tcaagacaga acccctatgc 360

aatgcatatg caaaaggcgc aatagcatga naatattcac tgaacataag caagagggta 420

tatgatattt atgcatg 437

<210> 15946
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15946

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atgatagtca ccgctttagg agtgctgtac accagcagcg cttcgaggcc atcaagggat 120

ggtcgtttct ccgggagcga cgcgtccagc tcagggacga cgagtatact gatttccagg 180

aggaaatagg gcgccggcgg tgggcatcac tggttactcc catggccaag tttgatccag 240

aaatagtcct tgagttttat gccaatgctt ggccaacaga ggagggcgtg cgtgacatga 300

gatcctgngt aaggggtcag tggatcccgt ttgatgccga cgctatcggc caactcctan 360

gatatccgtt ggtgttggaa gagggccagg aatgtgagta tggccagagg aggaaccggt 420

ctgac 425

<210> 15947
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15947

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aggagtaacc tacagtaata acaaattatc tcatgaatat atcattccaa ggctcattat 120

ttctcacgaa acttattcac cattagaaac aaagaggatt tacctttctc caactatgac 180

caagaaattc attcacagct atagcattct gtccatacat cagtggtgag gaccagtaac 240

cccacacaaa ccatttgtgc acattctctg gctcanagaa cagaattatc atgataaagg 300

ttcattacac taatcaactn tgaagttaca ttaccatttt cttacctcgc gaaatcacaa 360

atcctcccan aaccagaact ataagtaatg canaacttcc aacagtatnt gcaactataa 420

catcccttcc gaatg 435

<210> 15948
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15948

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gaaaaagttg tgtaaaagtt ttgcttttat agactcttca tgtctggtca agaaaaccat 120

tagaagagtt ataaccttta aaaaaaatag aaaaccattg gaagagttat atcttttgat 180

ttttattcaa aacttgtcac tggtaattga ttaccaaaac catgtaatcg attacacaaa 240

gctttttatg aaaggatatg actcttcaca attgattttg aatttcaacg ttcagataca 300

ctgataattg attaccaata tcttgtaatc gattacacca ttttgaaatc aattggaaca 360

ttgaaaattt agttgaaagc tttntgaaat caaactntgt cactggtaat cgattacagg 420

aaactggtaa tcgattac 438

<210> 15949
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15949

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tgtatcaaga taaacctttn tgaattttgc caagtttctg acataattgg gggacaggtt 120

taattgagct aggacttgtt aatggcaatt gatttataaa aaatgttctt atttctcatt 180

gcttgggaat gagaaataat gtatataaaa ctgttagtgt tcaaggagac aatgagacat 240

ttaatgctac tagaatagaa agtagaatca actgacattt tctanaggtg atctggtaat 300

tgaggagaat ttcatgatgg ttcangaagg atggagcctt gcagaaagtt tntgtgtccg 360

atgcattgta gctgctcctt atgttgttcc atacaggtac ttaagaagtt catccncatc 420

atgtatgata tccccattat 440

<210> 15950
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15950

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gatcttcata ctatcatctc aagccagacg atgctcgcct tgtgtgggat cgcttgcccg 120

tgagttcaag ctaacttcaa ttttattata aggcaaatgc taaccaatgc ccttccaatg 180

ccccaagacc attggttaag aaaataaaag gagaaagatt tttattggtt tacataaaat 240

tacgctgttc atgatttttt tttattttat gttctcctct gattttcata ttaaatactt 300

tatcctttta gcaagaccct tgtacaaatc gtttcccttt tccccctttt tttcagcctc 360

attttagttt ccaaaactga ttattcgctg cagatgaccg tcgcttttac atcaatcatg 420

gcaatattca tcatt 435

<210> 15951
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15951

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gttcagagac agaanaagtc ttttcctcca agcttataaa aataataacc caattnttcc 120

agaagcagga aaaataggat aaaatttgat agttgtttat taaattacag gtgcaatatt 180

ctattaagaa gtgatgaaaa taagaagcaa gataattgtt tcttgcaatt tttgaatcaa 240

gcaaagggtg ttatatgagt gtctttcttg ttaactatgg gctatggcaa aggaaaagac 300

atgtaattgt aaatggtcaa aggcttcact ttatataatc ttgccaaaat atggaaatga 360

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gtcattgtta ttgctaaatg ttt 443

<210> 15952
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15952

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aaatttcaaa agcctgataa taggcttgcc acacaaataa gaaaaggtga ccattaacaa 120

aaaggatatc aaatcttctc tcagtaatat tttgcagcat ttggtggaaa aataatacag 180

ccaggagcta acccagtaat aactaataat atcaatatgt aatgatgtgt atatgtttgc 240

agatgaattc taaaagcaga cgtcatcatt ttcttataga aaagtaagta gaaagtgaga 300

tggaaaaaaa aaggtcagat ggtctcagga gaagagatga tttgtttgat gtattatgaa 360

ctaaggaaag ggattttcca caggcatata cacaaactac agaagcacat gtccagaggt 420

cagctaacga tccacat 437

<210> 15953
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15953

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aacataaaaa gggaaaaggt aatattgtag tcaatgatct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagaatg tatgaaaatg 180

atgaatcttt tggagaaatt tttaaaaatt gtgaaaattt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttgt ntgtgaagca catgaaggag gtttaatggg gcattntggg gtccaaaaga 360

ctctagaaac attacaagaa cattnntatt ggcctcatat 400

<210> 15954
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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gacactttct acttgtgaag ccgagtatgt agctgcaact tcttgcacat gtcatgccat 180

ttggctaaga agattgttgg aggaacttca gttgttgcaa aaggaaagca caaagatcta 240

tgttgataat agatctgcac aagagcttgc caagaatccg gtgttccatg aacgaagtaa 300

gcatatagat acaaggtatc atttcattag agagtgcatt accaagaaag aagtagaatt 360

gactcatgtg aaaactcaag atcaagttgc ggatattttc accaagcctc tcaaatttga 420

agagtttcga a 431

<210> 15955
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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tgttgcttct gcaatacatt atcttcatca tgaatgtaag gagtcgatta ttcattgtga 180

tttaaagccg agtaatgtac ttcttgatga tgatatgact gctcacgtga gtgattttgg 240

cttaacaaga cttctttcaa ctattaatgg tgccacttct aagcaaacaa gtacaattgg 300

aataaagggg actgttggct acattcctcc aggtatgttc taaactccca aaaaattgtt 360

tctttgattt cttccctttt gatgaaaaac tgatatnnta ctaactacaa gtatggggca 420

atnnttctat at 432

<210> 15956
<211> 434
<212> DNA
<213> Glycine max

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tgaatcatct atcttactca ccaagcaact tagctcatga aaagatacat gttcaacatt 180

caacatatag atattaccta ttctcttact gatctggaca actttaccgg atatggcttc 240

acttataaga catcaatttc tattgaactc tattttgaac cctttatcac aaagttgact 300

aatgcttaga aggttatgct ttagtccatc cacatataac acattcttaa tctgagtttt 360

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accatagttt ggac 434

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<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15957

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cagataataa aatatttact ttttatatga gaaaatcaaa tgctgatatt atgaatacat 180

atataataaa ctagagtaac acccgtgcta tgtagaagta ggggaagaaa aaagtttcaa 240

atagttgctc catactttta attaaagaga gtgtagagta ataaaaaaaa aattggtgtg 300

taggccaata cgatttttat ttttttacag atatcaacca taaataaatg tatgtaatta 360

attaagctag caacatttgt ctggttcana gtagtcctga acattaaatt cttctacaat 420

tattgttgga catttattct tatg 444

<210> 15958
<211> 427
<212> DNA
<213> Glycine max

<400> 15958

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acagatgaac acatttattt tctaacataa ttcacgaaag attgaaaaaa tatgatgaga 120

agtggaaaga atcaaagaaa ttcattgaat cggaattgta gtgcttattt caccttctga 180

tttgcacttt gcatctctcg ttgtgctctt ccaaggtcct ctgacagagt actatgtgac 240

ctctcaatgt caagcctagc ttctctctct ttaacaagag actccactgc agccttgtat 300

ttacaaagat gataaatagc ttagagttca tcatatgaca tttcctttca ccattcttgt 360

tctcttccaa ttgactaaaa attctttctt accgactgtt ccatttcttc cttgatcaag 420

ttttctt 427

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<211> 346
<212> DNA

<213> Glycine max

<400> 15959

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ctttggttgc tacctacgag agtccttaga tatcaatcac tgtgggcagc tcttgccctc 120

atggcacctt cattggatgc acccaaggat gccacacgag cctcctgatg atcgtgttga 180

tgctaaccac atcaactaac ttagccatca cactcaccag atctgcataa cacattgaca 240

catattctat tggacttctc cacagaatgg agattatgat gggccatatg cccccatgta 300

ctactgttgg ggctataagc agattatcta agcatataga ttctat 346

<210> 15960
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15960

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cccgacgaat agactgacaa aagcttattt tctccttttt ggacaaagta tggcacgctg 120

ggggcaaata aattctcttc ccatcagacc ttggatgcaa ctgtgatcgt atgcccatat 180

aagctagatg ttgacgggta ttcaagccat ccttcatctt gccttgaatg ttaaggagcg 240

taccaatcac actgtctcaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtcacgatc agaccagcac ggaagatcaa agaaaataga cctcttcttc catatgcaac 360

tcttactttt atccttcttt tgggacttcc cagatatagg atgtaagtgt ggaacccgct 420

catatacctg c 431

<210> 15961
<211> 441
<212> DNA
<213> Glycine max

<400> 15961

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gcgactggtc cctttcttcc cttcgcaact tgagttcatt attgctaccc catagagctc 120

cgcgaaattt gttccggcca tactcttcct tgcgagccct cttggtctct tgttcaaggg 180

ctcttgcggt aattgcattc tcttcccgta acccggcaca ctccttccga acgtgtgtag 240

cagccaactt gaacttctcc ttggcgagtt ttgcctttcc taactcgctt ttgagagctt 300

ggacttcttc gtcctcttcc ggtgcttcaa aattctcttc gctgacgact tttaacttgg 360

cgagccaatc taaacctcgt atgcgaactg tcagccattc gtggtaccca ccaatgatgc 420

cattacgaat gcctctaagc t 441

<210> 15962
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15962

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tttgtcacgg gaagccggaa tgtccatatc accttcttaa ttgtacacat ggggcactgc 120

gcccccaaat gcgcgagtaa gaagagataa ttttccgggc tctcgtgtcc gtaaaatgca 180

ttcatatcat gcatcgcata agcatctctt cataacatca taatggacat atcctgcatt 240

tgtccgttat catattccag cctcaccttt tgcatgagtc atggcatcat catgcatatg 300

cgtccaacaa acttttgat ctgcaaaatt gcataccatc ntgtttcatg tttgctcatc 360

cttgcgtttt cctctacaaa acaaaaacaa agaaggggga agcgtgaaac ttcacactac 420

attcttagtt t 431

<210> 15963
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15963

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cttaccacct tgtggtaatg cttgttatta agccatccat canagacctt ataaggctta 120

ggaccccaat caatgctctt agatttcatg aggatagggc agtgatcaga gtagttcctt 180

tcaaggttgt gctgcgaact gtctggccac ttagaaagcc aaccatcaga gacaacagct 240

ctatccaatt tgcttttaca ggaaccatta ngcctaaccc atgtgaactg cttacccaca 300

ctangaatat cttccacctc catgatagca agccaatcat tgaaatctga catgatgctg 360

gactctgaat tccatgatng cttccatctc tctgaaggtg cctaatacat aaaat 415

<210> 15964
<211> 432
<212> DNA
<213> Glycine max

<400> 15964

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atgattggta tctagtcgtc ttcatattgg tcctttatca tatgatctgt ccttttcttt 120

aaagtagcct atattgaagt gatgctatga ttatggtccg ttagttgtaa gatgaagact 180

tgcatcaaga aaagcgtttt aagataaaga ttttctgttt tagttgtacg tagagaaaca 240

aaagttacaa tattacttaa atgagaggaa agaattatgc ttcacttcag caagaagact 300

cagtgtatgt ttgacttaat attagtaaac ttaattatga ataaaatcga ttttgtaaaa 360

ttaatttaga ttaaaagtga aatcatcttt attatggatc actggtttag gtggttcatt 420

taggatcact tt 432

<210> 15965
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15965

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tgaanaatat taaacaaacc tgtgctacac atagatgaca tgtgttggat acctacaaat 120

tatattatgt attgaaacaa aggtcatttt tatactctga atccttaata taacctctta 180

taccctttc tttaaaattt acttagcgag tatttttttt ccagtgatca agatgattat 240

gaggttgtac aaaaagtggg caggggggaaa tatagtgaag tttttgaaag cataaatatc 300

aatagaaatg agcgctgtat aatcaagatt ctgaaacctg tcaagaaaaa aaaggtactc 360

ctttctttgc ttgtnttatc ctagtttact cntacctgcg actgtgaata agccagcaat 420

gatgc 425

<210> 15966
<211> 427
<212> DNA
<213> Glycine max

<400> 15966

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aattctttca aatgtttgtg cgagtcttca cctgcaagac catgaaactt tggaagcaaa 120

tgaatcagtc cagttttaag aacatatggg acatcctcat cagggtattg gatgcacaag 180

ttttcgtagg tgaaatcagg tgcagccatt tcccttagag tcctctcacg gggtggaggt 240

tgtgccatgt tctcagaatg tgcaaaatca gaatgctcag aatcagaatg ctcaaaatta 300

tagtgctcaa gatcaggatg ttcaaaatca ccaataacag aatgcacaga ttcaccagta 360

atggaatgct cagaatgatc aaaaggtata aaatgatgcc taactaatct atgaaatgtc 420

ctatcta 427

<210> 15967
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15967

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aatgcgaaga gtagagatcc tagggctgca aactcgtaaa ttccgtgggt atgggctttg 120

aatgggggga aaagaagttt ttgaatgcaa aaacgtcccc ctttcgtcat ttttttatat 180

tttggtgcag gggttgctcg cccaggcgag ctaacctgca ctttttttt taggggaaac 240

ataaccatgg ccccccctctc tttacaggtt aacgttcgcc tactcgaact tacttaagtt 300

agaattaggc atcgttttac ttatttaaaa caaaaaatag tagttatcat tgtgaattca 360

aggatactgt gctgtcttga gtgacttctc tgttg 395

<210> 15968
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15968

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gatgtatggg atttagctcc taaaccaacc tctcacaagt caatcggaac caaatgggtg 120

tttcgaaaca aacttgatga atctgacatc acagtaaaga ataaagcaag attggttgca 180

aaaggataca accaagaaga aggaatcggc tatgatgaaa cctatgctct agctgcaatg 240

ttagaagcta taagattact actttcattt gcttgtatta tgaatttcag actttttag 300

atggatgtaa aaaatgtctt cctcaataga tgcattgaag aagaagtgta tgtagatcaa 360

ccacttggat ttgtgcatta tgaacatcct aaccatgtct acaaacagac aaaaggctct 420

atatggtttg aagcaagcan 440

<210> 15969
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15969

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agcttcatac ttttaacaag ccaagtacaa gttttaaatn tacttcattn taaataaatg 120

accaaaactt agcatcttct acttttgcaa accaagcatc aactttaatt tcttggcttg 180

acttgatact ttgacaatgc ccttaacaat atacattact ccaatttgat tgaacttaag 240

tgttaatatt acatgtaata taatttcact tgcacacacc gaanaaaact cattgaccaa 300

atggcagcac ctgatattac ttctagaata taaggtttat ntgcaaagtt accatttcaa 360

tgcatcttat cctanagact gctttcaaca tcacacacac acacacacac ancaattaat 420

caaaacaatt tacctt 436

<210> 15970
<211> 435
<212> DNA
<213> Glycine max

<400> 15970

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gagccaagtt atcccttgca tccgagcctt caaccattta tgatatccac caataacacc 120

gttgatgctt cctctaagct ccttatcctt tctttgcacc acattccatg cttttcggac 180

tcgtcgaagc atttttgcat tggggtcatt gaagccacgt gctatgaaag gcatgatact 240

ctcttccgat ggtgcccctc tcatatgata gcctagttgt cttatggcaa gtttgggatt 300

ataattaata caacccctcg ttcccatcaa ggggacattt atgaaccctt cacatgagga 360

caatactccg acccttcctt ccttccatag ggggaaccaa ttaacgaacg cccctaccat 420

acccaccaag agttg 435

<210> 15971
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15971

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aattgatagc atagtaccat tatgagacga gctgctntag agcttctgac caccatccac 120

tgtccttcag aatagaaaag ccattcacgt gcacgactct gagatataac attcaatcat 180

gaaattcaaa cagaattact gcataatttg atgccctagg tgtaaactgc agatagatat 240

aaaaaaagga aatcagatat cctgtggaat cagctccata aatgcatatt gatgcacatt 300

gcaatccaaa aaattaaaaa acaaaattag atgagaaaaa caatatatga agaacttgag 360

aaatactaga tactctatat ctgtcaagta acaaaccatt atccctacct ctataataaa 420

caaataatcc gatcctagat g 441

<210> 15972
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15972

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ctcgggtcac catcatcatt tcagaatatc tgctccaact gaactggtga gcatttcaaa 120

ttgctttaat ttgttctttc ttatgttaga cttattagca ttctattgtg aacctcaagc 180

atattatcaa ctgtgtgata taggttccga ttttccccaa cttggagaca tttgtgattt 240

ctcacatgga caacttgaag tcaatatggc ccgaccaact cactgaaaat tccttctata 300

aattgaaaaa gatggaaatc acatcctgta acaatctctt gaatgtgttc ccatgtcatg 360

tgctagacaa attacaaagc ctggaatcac tgaatntatg gaactgtatg gcactaaaag 420

ttgtatat 428

<210> 15973
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15973

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tcggacgaat actaccctat agacactagt tgcatgagag gcattgaccg atataccatg 120

accttcagaa tagatgagca ctcgcgctga tccacagtga gattctatgt taatacagga 180

gaggatgacc gtattactgc gctctttaag cccctgagcg tatacggaac attcttgctg 240

gattccgcgt cctgacatgc tgtggataca agtcgatatg gtccctatct tccacgaagc 300

tgagcggtgc attgcatata ctaatgtggt gaacacccca aacgcggacg cgtttaaaag 360

tactcgaatg cttctgcgta tgagctagga attccaacct tatagagcta ttgccgtcgc 420

tagcgtcg 428

<210> 15974
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15974

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tccttggaac ttctcaagag actgctctgt ttaattttga gcgtctctat gtataatgcg 120

ccggagatga acacaaatgt ggtaaattga tgagcatttg aatacctaca gagcatccga 180

tgatcgttaa cggagcgtca ttatatgcga tgagcctcaa acggaccgac attcgataag 240

ttttgaacat tcgaatttct tgag 264

<210> 15975
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15975

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gcatgtttgt gaaaatctta ccacaactat gctcctccag aaagattata atttgacata 120

ttttatgtca ctgtggttca tgcacaataa ctaactctcc tataggtgtt catagcgctt 180

attattttta atatattatc ataatgtaaa atctattgac taaacttata taattattat 240

gctatattat gtatcattaa aatntgtgta acatatttat gttgaaaatt attaattatg 300

tacttttatt aggaatgatt aaggaagata atataatcaa ccttttttgt aacataatag 360

tgcatagtgc ctcacttgat atataacatt atttttaaga atattgcta 409

<210> 15976
<211> 432
<212> DNA
<213> Glycine max

<400> 15976

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cattgttggg gctagctaag cttagtgatc tacattgcac cgacgataaa ttacttggcc 120

caatgccaga caaaattagt ggactttaat gtctaattta atggatctgg atttgtctgg 180

taactccctg cacgaaacag tccccattta tctggatttg tctgggaact cgctgcacga 240

aacaattccc caatggtgct tttctttgtc atcgttgtta cgcttatctc tttacggaaa 300

tcagcttaca ggaccaatgg gtgaattctc ttcttttccc ttgtattatt gtgatctctc 360

ttataacaag ctacaaggta atatcccaac tcagtgtttc atctacacaa tctcactgtg 420

ttgagactat ca 432

<210> 15977
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15977

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tcaaggaagt tntctcaaag aagcttctca aggaagtttt ctcaagaaag cttctcaagg 120

aagctaccta gtctataaat agaagcatgt gtaacacttg ttgtaacttt gatgaatgaa 180

agtcttatga gatacacttc aaagttccac ttctttcctt cttttattcc ttcaatttcc 240

tgctcccccc ttctctcttt cttttcctcc attaaagcat cttcttcaag cttcttatcc 300

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ttccctatcc tcttctcctt ttgccttcac tgcatc 396

<210> 15978
<211> 427
<212> DNA
<213> Glycine max

<400> 15978

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aggcttctag cacactccag acatcttctc aaagattcca atggtcagat catggaaaag 120

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gtgtttttac cgaggcagct tcatgtagct ttctctagaa gcttcattaa gaggcttcct 240

ccagaagctt tctcgtggtt tctttgagaa gctttctcaa gaggcttctt tgagaagcta 300

gatccttatc tatccacacc cctctattaa ctaaattaac ttccttaaaa ataattatgg 360

atgaaaataa cgtaacaaat aatcaaacat caaacataat tactaataat atatagatat 420

atatatc 427

<210> 15979
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15979

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ttatggttaa cactgtctct agaacaattc cattggattt aatgatgaaa tctgtgcatt 120

ntcaggtgaa aaagaggcta agttttgaat tgcaaaaagt agcagttggg ctaagcgcat 180

atccatcgct aagtgcagct tcagcacact tagcgcaaag gagaatctgg cagagcatca 240

acatcaaagt tgtgcgctaa gcacaacaag tgccttcagc cacgctaagc acgagactgg 300

cgctaagccc aatttcactt atctgtgcta agcgcanagg tggcgctaag cacatcatcg 360

cgattcaggg cctattaaag cttgtctgtg ctaatagggt acactttaca acatcta 417

<210> 15980
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15980

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agagcaaagg cagaaaactc tgctcaaaca ccaaccaaaa tcacagcttt tctcacttaa 120

agaccacagt aacaattcct tcgatccaat tcgttaaccg ttggatcgac tccaaaattt 180

tactggaagt ctatagtgca taagcctaca ttgtgaccgt tgggatctac tagcaaagat 240

caagaactca ttctgtacta ctctttccac agccaaccac acacaagcat tttctgcacc 300

aagctaaaat cctgctgcac ctattttgac agcaaaattc tgcataagtg cagatttcga 360

aaatcacact tcccctcatc caatcttgct canatcaaat cctacaagtc ccaaatcatg 420

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<210> 15981
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15981

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gaaagatgaa tggcagtgga atggagaagg aagagagagg agatgccact tcaacgagaa 120

gatgagttta gaagaagctc accaccatag gaggccatgg ataatagctt ggaggaagaa 180

ggagatgaat gaagggagag gaagagaaga gcacaaattt ttgtgctcta aaagagctct 240

gaaatctaaa gtttaatttt caaatgatca aagttggaaa aatgcacaca cataacccct 300

atttatagcc taagtgtcac acaaaattgg agggaaatct aaatttctat tcaaatttca 360

cttgaatttg aaattgaatn tgtggagcca aattttggag ccaaaatttc actaattatt 420

gatagtg 427

<210> 15982
<211> 430
<212> DNA
<213> Glycine max

<400> 15982

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tgcacctatc gccagacttt gtggtttatg ctcctctgcc gaccaccaca cagacctttg 120

cccttatgtt cagcaatctg aagcaattga atagcctgaa gcttatgctg caaacatcta 180

caatagacct cctcaacctc agcagcaaaa tcagccacaa caaaacaatt atgacctctc 240

cagcaacagg tacaatcccg ggtggaggaa tcatctcaac cttagatggt cgagtccttc 300

acaacaacag caacaataac aacaacaaca acaacaacag caacaacaac cccagaaaca 360

gcaaccaatt gagactcctc cgcaaccttc ccttgaagaa cttgtgaggc aaatgactat 420

gcaaaacatg 430

<210> 15983
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15983

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actcttcatt catcttccga ttcgcacgat cccaaatgac aagatgtgaa tgcatgcatg 180

cttatgattg gaagttaagt gcaacaatta aacaagtgtt atcatgttca attttactta 240

aacgcttacg acaccccatt aattgagcca aatggctccg gattcagtgg gcaagatcga 300

gagtgtatgt tcttaagaag taaaagacac aacacaggag gttaagatgc anatcattaa 360

tccacattta ttaatgct 378

<210> 15984
<211> 414

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15984

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gttatcgtca ccctttccgt cattgggggc gccacttggg ctgccagatc cctccacctt 120

tgggcatatt ctttgaagga ttcatgcccc tttttaccca tgttctgtag ctgcatccta 180

tccagagcca tatcagaatt gtattgatat tgcctaatga cggcaaccat taggtccttc 240

caagaatgga ctcaggaagg ttccgagtta gtataccagg ttacagttgc cccagtaaga 300

ctttcttgga agatatgcat cagtaatttc tcatcttttg cgtatgcccc tatcttccga 360

caagttcttg gggcaagtag tccccttgta cttatcanag tccgacacct tgaa 414

<210> 15985
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15985

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tttgatgata acaaagatga tgacaaaaag ctcaaaagtc aagaacactt catgttaaca 180

aagatgatga tttcaagaat caaagaatga gttcaagatt gaatcaagaa cacttcaagg 240

ttcaaaagga aatttgattt caagaatcaa gaatcaagtt tcaagattca tgttccaaga 300

atcaagatca agattcaaga ctcaagattc aagaatcaag agaagactca ntcaagataa 360

gcattanaaa agtttttcaa aaactgagta gcacatgaaa ttttctcata accttntacc 420

anagaagttt tactct 436

<210> 15986
<211> 430
<212> DNA
<213> Glycine max

<400> 15986

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gcacccatat acaatcaagg cagcttcgtt acctagatta tttacacgta cttccaaggt 120

gtatttgtta cttacatcac acacctcctt ggctaaactc acatacatgc atactcaaag 180

cattttgggg taccaaaaat tgcacatgtg cacatcttgg tatttctaat acctatacat 240

acacaaactt catgatgaat cttaactatc tacacaataa ggtgctacat tttatgctct 300

tttcaagttt ttgctaccta aagccgcatg caaattcaag tatattttcc tttgctgact 360

aaaattgtat tcaaattaag aggtatacat tttttggtaa tgtatcttct ttacataaca 420

tgcaacatat 430

<210> 15987
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15987

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ttagccagaa agggctacct acggaggggt tgaccaaaat ggctatttta agtgtcgtag 120

agtgcactac aaccactgga atgcagctct tatgcgattg agatctcaca ttcactagag 180

gtatgactta agctgtgttt ataaggattg ggttgttctc atcttacagg ttgattttgt 240

gggttgagtt agaccataaa cccaaattgt aatacatgag gaggacaatt ggatacggta 300

nggttatact atntacaaca tatggagact gattctagta aaaaggtgtt gtcttcttgt 360

cattanggta gcttcccaca tttggcttca atgtanacgt cttggacatc ntgcctttgg 420

tattcttatg tctt 434

<210> 15988
<211> 421
<212> DNA
<213> Glycine max

<400> 15988

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ctggtccctt tcttcccttc gcaacttgag ttcactattg ctaccccata gagctccgcg 120

aaatttgttc cggccatact cttccttgcg agccctcttg gtctcttgtt caagggctct 180

tgcggtaatt gcattctctt cccgtaaccc ggcacactcc ttccgaacgt gtgtagcggc 240

caacttgaac ttctccttgg caagttttgc ctttcctaac tcgcttttga gagcttggac 300

ttctttgtct tcttccggtg cttcaaaatt ctcttcgccg acgactttta acttggcgag 360

ccaatctaaa cctcgtatat gaactttcag ccattcgtgg tacccaccaa tgatgccatt 420

a 421

<210> 15989
<211> 274
<212> DNA
<213> Glycine max

<400> 15989

agcttgtcga tgctgaagaa gatgatgacg gcgacctcat cttacctaaa aggagatagc 60

tcgtgagcga tattgagaat ctcgatagaa cactatacaa ccctatcatg cccgactatc 120

tagttcttct accaagctag ctacacggaa tcgctacaca tcacatctta tatatacaca 180

aactatataa gtcactctct ctataagaaa gaagatacgt actataccta aaccgatgac 240

acacgtcata ctgttagtcc ttcaaatgca ttat 274

<210> 15990
<211> 454
<212> DNA
<213> Glycine max

<400> 15990

ctttgcggtg tgtagaccgg ccaccctcat atgtgctagc gcctatactc tcgtgagtca 60

atggcacaac actactcctc acgcgcatca tatgtgggac ttgctccgca ctcactctat 120

tatatcctgc catgtgctga tccttgcata acgtaatatg ccgtaccaga ctagctgttc 180

cacattaata ctatcataga gtcaagatga cgtatcccaa cttgcactgt gcgaagacca 240

caaatgcgat ctctgactat aatgttgctc actcgcagag tcatccagat ggcctgcctc 300

taccgatccg agtctccgct actacaagag agatcaaccg ttgagacccg accatgtcac 360

tatctaggca cttgcgttct ctggctagct atttcgataa ataggcgcct agtatgcaca 420

tctgaggggg gctctcaaca cgtacatcat ctat 454

<210> 15991

<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15991

agctttgagc agattcaaac gacaataact ttttactcgg atgtctgatt gagtcccaga 60

atatatcgac acgctctaca ttgaatgctt atgctctgag caaattcaca cgacaataac 120

tntttactcg gatgtctgat tgagtcccgt aatatatcga gaccctcgaa attgaatgtt 180

gatgctctga gcaaattcaa acgacaataa ctttttacac ggatgtgtga ttgagtcatg 240

taatatctcg agacgctgga gattgaattc tgaagctctg agcagattcg aacgacaata 300

actatgtact cggatgtctg attgaatcca atgatatatc gacacgctcg aaatagatca 360

tgatgctctg agcatattca acgacataac ttgtactggg atgttgaaga gtctgaatat 420

atc 423

<210> 15992
<211> 438
<212> DNA
<213> Glycine max

<400> 15992

taacaaaagg catgcgaagt gggtggaatt cctagagcaa ttcccttatg ttatcaaaca 60

taaaaaggga aaaggtaata ttgtagccga tgctctttct cggcgtcatg cattactttc 120

tatgcttgaa acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180

aacttttgga gaaatttta aaaattgtga aaaattttca gaaaatggtt tctttagaca 240

tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattc 300

tcttgtttgt gaagcacatg aaggaggttt aatggggcat tttggggtcc aaaagactct 360

acaaacatta caagaaacat tttattggcc tcatatgaca aaggatgtgc agaaattttg 420

tgaacattgc attgtatg 438

<210> 15993
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15993

agcttattac aagaaattag tttgtaagaa ataagtntga ttcagagtaa gtctcatcga 60

ataatatttt gttttaactt gtattagtct attntagaat attaggttag tgatattaaa 120

tgaaacaatt ttactatttt caaacatttg ataatattgt gttaattata ttgtatatgt 180

gaatgaatca tgatataaaa tagtaattct aaggaaaaaa ataaaattta aataagtaat 240

ttattggtcc aaactgaatc aaaccgttca tgaatgggtt gggttgggtt taaaaaaatt 300

gtgaaaatca aaccgaacca aatcgatgaa atttgattga gttgagtctt gaattttgcc 360

aaaaccagtc caaatcggcc tacaaacacc cctaaaaata gttatcanag aatacaactt 420

attataaaat tgatccttga aca 443

<210> 15994
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15994

ntgcgtaatc gattacaagg atttggtaat cgattactag tgataagttt tgaacaaaaa 60

tcaaaagatg taactcttcc aatggttttc aggttttttct aaaggttata actcttccaa 120

tggttttctt gaccagactt gaagagtcta tnnnagcaag accttgattt gcatttgaac 180

aacacttaca acctttacaa acaactttgt cacatattat tttacaacct ttgaatctct 240

ttgaacatct tcttgaactt attcttcttg ttgttggatc gagtggcctc aaaataatta 300

ataaggggggg gttgaattaa ttactcctaa acttttacta a 341

<210> 15995
<211> 59
<212> DNA
<213> Glycine max

<400> 15995

agccttagat tggactgtac cgatgaatcg ctggtctgta cgacaatgaa ctgtatggc 59

<210> 15996
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15996

ngtcgtaggg tacgtgggtg ctgcgacctc cacacttgta ttatattatc gtggctcagt 60

ggtccaattg ggcgctccat aaaggtaata cattgaatct ctgacacttg gacacattcg 120

ttcagcagca agacttgtct accagaagaa aatccgaatc agatgcacaa tgggaatccc 180

aaaaggggat ttgggacaat ttgaaccaca aggtggaatt gtctccagga taattctaac 240

gcatcttgtg aatagtaata ccagagacct ccctgcctcc aagagtaact ctggacactt 300

agacaagaat cttatcccgc ttggaaactc cgtcaggcag aagatgctac gcacactacc 360

ttctgagcgc catcctcgtc tgacaccctc aaaatttgaa cgagaggggt tgtggaatat 420

atccccccgcg accatataca tcagagaggt gtccaagacc tatt 464

<210> 15997
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15997

agcttctact tatgtggtag ggcgggcttc cttcactttc ttgtctccaa cgcgagctct 60

aaccactgtt cttccttccc acgatgcttc ttttcatgtc cgcctgagtg ggcttatagc 120

ctaagccata cttcccacga tttccttggg tttttatcag gctagttatg tcgccgttgt 180

ctttgcctaa acccatcccg ggttcataac cgttccccaa cataactcgg gccatcatta 240

ccgctgcatc ggacagacaa ggctgcccaa agagggagtc cacggaggaa atgctgacca 300

cctcaaaaga ctggaaagca gtttctaacg attcttctgt ggcttccaca taaggcatgg 360

aggatgggca gcttaccaag atatcttcct cgcctgacac gatgaccaag tgcccctcca 420

ctacgaatnt cagcttttgg 440

<210> 15998
<211> 431
<212> DNA
<213> Glycine max

<400> 15998

tgtactatat gaaaagataa aatgatacaa gggcaaatta gtatttcttg aaaatgatga 60

agatgttgcc tttgtgcaat tttttaaagc tcgccccagg catttgttta aacatgagct 120

tgaagtgctc aaacacaagt ttgggcgcac gactctcgat ggccatgcca tacaaacatt 180

ctatagattg cagtagtatt gctttggctt ggaacctaaa aagaagccac ctattggttc 240

ttatcatcat taaattgagt gttgttatca gactttgaac cacttcactt ctgcttcact 300

caagaaactc ccttccatga tctattcatg gcaatgggat ttctatgcta cgtctaatca 360

caccttctct tttatgatga tattttcatt ctctcgcttc ttcttcaccc atcatgtaga 420

ccccatcatt g 431

<210> 15999
<211> 374
<212> DNA
<213> Glycine max

<400> 15999

tagtttggtg accactagct ccctatgatc acgcatgatg cttagaggat tagttagtta 60

gtctaacctc ctcaaggttg gacatgtata tatagaccca aagaatacac aataaggtac 120

gctttcaatc actccataca tagatgcaca aaacaccttg ggcttgactg acttaatcgt 180

ctgagtcctt tttgcaggca ctttcttcaa cattggagta tgagatcgga gattccatta 240

atatgaggaa caaaaggaga gaggtagaca gctcatcaga agtcagccac aactcaccag 300

aactcagtct gaacatttaa ctcagccaca actcaccgga actcagccaa aacatttaac 360

tcattcacag agcg 374

<210> 16000
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16000

gaccttaaat ctccgcttgc ggtactttaa ctttctcaat gtacaaacat tttttcacat 60

tgaatttatt atacatagta tatatttcca ttcagccttt tatataataa agttggcaat 120

tgacatatat atttcacttt ttttatgata tggagagtca tgagatgttt tgattattga 180

ttttattctg ggtacttttg gtatcattcc ttaagactat tgaagtgtgg aaagagctgc 240

atactaatgt ggattaacta tctaaggcct gatatcaaga gaggctattt ctcaagtgaa 300

taagaggaaa ttatcattaa gatgcatgag ttgctgggga acaggtatat attcgtcgat 360

tcattcttca gattaatggc attaatgatt tgtcttaatt aataatagaa agttcgaaca 420

gaatattagt actangttat taccatgaa 449

<210> 16001
<211> 387
<212> DNA
<213> Glycine max

<400> 16001

tatcttatca catatggaga cgcctgaaat tgaaccagag aagatctcga gaaattcaga 60

tggtcataac ttttcactca gatgtccgat gctggcgcat agtatattga gacgctcgaa 120

attgaacaac ggaagctctc aagaaatgta aatgatcata aatattcact cggatgtccg 180

attcaggcgc atcatatatc gagacgctcg aaattgaaca atggaatctc tcgagaaatt 240

aaaattgtca taacttttca ctcgcatgta cgattcaggc acatcagata tcgagacgct 300

cgaaataaac aacggaacct ctcgagaaat tcaaatggtc ataacatttc acactgaggt 360

ccgattgatg cacatcacat atggaga 387

<210> 16002
<211> 413
<212> DNA
<213> Glycine max

<400> 16002

tcaccggatg atgccgatcg agcatttcct aatcgatttc atccaattgt tattcaggga 60

ttgaatagaa taaacaatgg ccggtgtcgg tccttatatg gccccgactg atatctttca 120

gccgacattg cgcaatttct tttacaaacg ctggccgata atatttttt ttttttacgg 180

tagaggaagt tttttgtttt ggtgttgcct aaaaaattaa caacgtaggt cggcaaggtt 240

tttccgtgcg acctcaaccg agggttcgtt ccgaccgaca ctggcatgtt gatatctcat 300

ttatgaggcc aacaaaacgt tggcacaccc cggcataaac aaaaaaaaaa tattctcgaa 360

tattgatcga aaaacatgat agctgacgtt agcatggaga gatgaccgat cga 413

<210> 16003

<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16003

agcttggata aatgttcaag ctatacgttg attaattatt aaataaataa ataaagtttt 60

atgaaatatt aattatgcaa tacatgaatt ataaaataaa gtaacaattt aacttacata 120

aaagagattc ataagtaaga aattaagtca agttcactac ataatgtacg ttgataatag 180

atattatatc ttagtagacg taaatatgag tcttggatat gaaattatat taatattttt 240

ttaaaagaga ttgagcactc aataatccta ctcaccttga gtagaattat ctctatgaaa 300

gatacatgtg atctctanaa caaacagcct tcagaagata tacatcatgc atgagataat 360

catatattta agcaacatcc tttcaaacac aagcttatta aatggttgct tctcatgtta 420

tctcatccac taaa 434

<210> 16004
<211> 218
<212> DNA
<213> Glycine max

<400> 16004

cgcgttgctt atagactgca gggcattgta aactcttgtg ttccccgcat ccggggaaat 60

cagaggctca gatattcgta ggcaacccgg tgatggatat atatatctct ctatatagag 120

tgtaattgat agtagtgtat taaatacgaa cgtagatcaa atacatatga ttattatgcc 180

cgagtgttca tctatatatc agaggatgtt atgtatca 218

<210> 16005
<211> 439
<212> DNA
<213> Glycine max

<400> 16005

tcttataaga acaaaattgc ctcaatcatt tccaaatatg catgtgaatt atgaagcatc 60

aacaagaatc aagccaaggc tattgtgcaa gcaatcaatg gggcaaaaca caccatatga 120

ttatgatgat ggatggctca aattctcaca aaggtaaact catcactttc aaattgagct 180

ctcaaaacta tcatgacatg tagaggagaa tcaaggattt caagtcacaa aatgtcaaga 240

actttttattt tcaaaacaat tacccatttc ttgaacatat cctataattc aaagaaaaac 300

atgcaaagtc gtacatgcac acaaaattga cccaaaatat taaactatag atccgacaaa 360

actagcaaca ttaacaaatt aacacatcta acatattaac aaaaccaaca taactagcat 420

aaccaaagaa tactccccc 439

<210> 16006
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16006

ntgccgattt agttntctct gnaaaaagga ttgatgtttg tttgagaaga ggcaaatttg 60

attatcctac tttgatgaat aggaagcctg cggcaaatgg agagaataag aaggagggag 120

gaacccatgt tattgtgact gtcgttcctg catggccaaa tttcccacca gctcaacaat 180

atcaatactc agccaatatc aacccttctc attacccact accttatcag ccaaggacac 240

ccaatcatcc ataaagacca cccctaaatt agcgacaaag cccgcctatc gtacatccga 300

tatcaaacac cacccttaac acaaaccaga acaccaacca gggaaggaat tntccagagn 360

agaagtctat agaattcacc ccaattccgg tgtcgtatgc taacttactc tcatatctac 420

tcaataatg 429

<210> 16007
<211> 201
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16007

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agacattttc tatgaaggcg ttcttaattg actgctcact gtgatatttc ctcacactct 120

tcgcgattat atgcgctcat gaattccttc accgacacct tgtagaccac atccacttat 180

tctactcaac tgacctcaaa c 201

<210> 16008
<211> 370

<212> DNA
<213> Glycine max

<400> 16008

ttaatctaga tggcgtgcat gtcgctcccc ctatctttat ccatcatgcc cttgagggct 60

ttgatgatgc cacacatcga tataacattg catgcattga gagggtctga gtcttgacat 120

tagagacttg cttttcttag ccgatctaga taattgttaa cacttaatag cggatcgatc 180

cattgcatca tcatcatcat atgtcttact atatgatcgt actgatgcta atgctatatg 240

acgtagtgca ccactagatc atctcccaaa tgcttatata ctacactgca agcaagtatc 300

caatacatat gccgcaggac atatatatct cccttgaatg cacatatgca gctcatctcc 360

ccttttttggc 370

<210> 16009
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16009

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aaccaagaaa gctcgaatga ttctacagaa ccagagacaa aagtaagcaa ggtactccat 120

caatttgcac aaagaaaatt aaacatactg tagattaaga agattgagaa aaacaaacct 180

ctctctaaca gcactgccag acaacacacc accatatgca cggttcacag tccttcggtt 240

nttgggtaac cttgatctct tatattctgt tggccttaaa tgtggaatct gcaattgcca 300

agcattaata accattatgt tataccgtgt atcattcata cataatcctn taccaatcat 360

agaaagaaaa atctagttgt aggaaccttg aacatcataa tcttaactnt taag 414

<210> 16010
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16010

tacacattcg tggagaanaa cagattcaag tttttctgta ttggataagt cagggatctc 60

aataaggttt cgacaaccac aaaggctaat tatctttaaa ttagcaagat tctgtgacaa 120

gaaagatgca tcacattgtt cagaaattgt taaaatcata accatgagcc ttaactgaaa 180

gagaaaccta agcatgactc ttgcgaatga gcttcacttg aggcagcaca aaaccagtta 240

ccattgacaa ctctctcatg tacctttaca aattgaaaga aaaattagca tgtatgcaac 300

attcatacct gaaccccgtc ccaaggcttt ttaagcttgc tatcaggcat gtggagctct 360

acaatntgtt cagcacanaa gttagacggc aaagacttga gatagaatct atcccattca 420

aggtacatca a 431

<210> 16011
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16011

tagcttgtga tttcacttga tcatacaaaa aatccatgga taaaatacta ttactatttt 60

gaagcttgtg attccacttg atcatacaaa aaatccctaa caagcttgtg atttcacttt 120

atcatacaaa aaatccatgg atatccccat aggtgtgaat ttttttgcca ttcccattct 180

tgtgtactta tatagtatta aaaacccatg tgggtcaact taatgatgaa agttttaaat 240

agtttgtacg aaattgtaga ttcaaatctc atgatgatta atatacacac aaaagaaaat 300

aatattaaaa gttactccct ccgttccatt ataattatcg tgtaaggaga taaaatttat 360

cctanaataa ttgtcattnt ggctnttcaa tntagcattt aatatttttt cacttatatc 420

tcttatatag taatgat 437

<210> 16012
<211> 423
<212> DNA
<213> Glycine max

<400> 16012

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ttttttgctt tacctttttct tccgttgttg tttcttcatt ttttttctcca tgtatctcct 120

cacatgtctt gtgctaaatg tttttaacat gattctttag attttccacc aattaaactt 180

gctatagaag ctagatttga ttttctatgg ttcaaatttc ttgttcttgt tcttgaactt 240

ttttttttgtt ttctaagttt cctacatgat gcctatgatg aagttgagtt gtggtgctga 300

gttgtggctg gatttgtgaa tcaaaataag tcttaagctc tcttgaattg tgttattcaa 360

gataattgag cataatcaaa cacaaattgt aactatccaa gctttaagca acataaacac 420

tac 423

<210> 16013
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16013

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atatatatat atatatatat atatatatat atatatatat atatatatat atatatatat 120

ataattntat atatatatat ttataaataa aaaccatagt ttttaaatat tttatactat 180

gtgaaatata attatattat taatgagaga gtggattaat tatattttta attgagtgaa 240

ttttatctta cagagtgagt atattaaata ttttgtgtga ttgtttattc attcaagtaa 300

taatggtgat gcgatatctc ttgaaagata tatatacata tataaaatta tccattttaa 360

agatattttg tagtgagaca catatatata tattaatatg gagagataat attaattctt 420

agtgagcaca tgttctctg 439

<210> 16014
<211> 434
<212> DNA
<213> Glycine max

<400> 16014

tttgtggaaa ggattgatca ggttgtctct atctttactc ttggttttcg tgtacggttt 60

tacatagttt tttgtttgtg catgaatggg ctcaaaacaa atcattttca aagagggtgc 120

atttttttaat cgacctcatt tgtttgaggg tgaacatttt tctttttgga aaaagagaat 180

gaatttttttt taaacaaatt atcccagtgc atggaatgcc actattaaag gtcctttcat 240

tcctataaac aaataaatgg tgaattagta cctaaagaat gggatgagat gaaggatgac 300

gagaaaataa aagtgcaaaa tgatcaaaaa gctaaaaaca tttaaacttc tggtttatct 360

tcgggtgaat tctttcgtac tgcaaggtgc aaaagtgcaa aggaaaattg gaatatgcct 420

gaagtcactc atga

<210> 16015
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16015

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tnttgccttt gaagaaaatt ctctaactaa gaaactnttc ttcacacaaa ccatgataat 120

gcatgatgta atacaaatat caaatgtact aagatgtaac aaccaagata acaaccaata 180

caaatgccac tcaatggagt tggggatgta aaaaccaaaa cttcttcaag ctttagccct 240

taggttgttc agaagctagc tagttagtta agttgaacat cctttagatt gctagctggt 300

tgaaatcaag cttaacgagg tggatataga taaataatac gaggaaaaaa gttctaaata 360

taaaattcta ttaaactttt aaattataaa agatattaaa agttaatata atacaag 417

<210> 16016
<211> 436
<212> DNA
<213> Glycine max

<400> 16016

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gcttcgtgat gatctcaaga atcaaagaat gagttcaaga tgttcaagat tgaatcaaga 120

acatttcaag gttcaagagg aaaattgatt tcaagaatca agattcaagg ttcaagcttc 180

caagaatcaa gatcaagatt caagactcaa gattcaagaa tcaagaaaag acttaatcaa 240

gataaatatg aaaaagtttt ttcaaaaact gagtagcaca tggatttttc tcaaaacctg 300

tttaccaaag agtttttact ctctggtaat cgattaccag attattgtaa tcgattacca 360

atagcaaaat ggatttgaaa aatttttcaa ctgaatttca atgttccaat tgatttcaaa 420

atgttgtaat cgatta 436

<210> 16017
<211> 156
<212> DNA

<213> Glycine max

<400> 16017

agcttttatg attatcgaac gacaatcact tctgactccg atgtctgata gcacccccta 60

gtacatcgag acgctctgaa tcgaatgttg aagctctgac catatcttga cgacgataac 120

tctttattcg gatgtgagat ggaatgctgt aatata 156

<210> 16018
<211> 253
<212> DNA
<213> Glycine max

<400> 16018

tcatcattca ctttcgaaag tctcgatata ttacggtact aactcacaca tcccacctaa 60

aaggtatcgc cgtttgaatt tgctccgact ttcaccattc cattgcgatc gttctgatgt 120

aatacgggac tgaaccatga catcctagta aagcgatgcc gtcgtctgaa tacactccta 180

tcttcacttt taaatactga tcgtctcaac atattacacg gactctgtga gacattcgaa 240

caataagttc ttg 253

<210> 16019
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16019

agctttatag agcctgtgtc gtcagcaaga agttcaagtt catagccatc tacgtctgat 60

gagagtatga tgatctaang gacgtatata tggccatcga tgactccttg gaatgagaat 120

cctataatgc ccgaagtgaa gaacactacc ataactagtt gtgaggggct ctatatggca 180

tctatagtga gttcgaacgc cgaataggtg ataggaatca ttacgggtca tacgcatgat 240

ctggaaagac gagctaaagg cttgccttag gtcaaaacga aatttgtccc aacatttaga 300

gtgaaactga gaggtatatg tgggccttca tcgatgactg caattagtaa ctaatctatc 360

ggcactg 367

<210> 16020
<211> 418

<212> DNA
<213> Glycine max

<400> 16020

tgccgcccag ctcgcccagg cgagcaacgt tgcttctctt tgaagcaaca accttctgga 60

gggcccaggt gggcctggtt gctatttaca ccccccttgt ttactaaatg caccccccct 120

tctatgtgat tgtaattctc ttccgtaacg tatccaaact ttacgaatgt tgtaacgata 180

cctatttttcc ttacgaccgg ttacgaatcc ttaccgatta tgtattgact ctttttttaac 240

tttcgaagaa tatacagaaa ctcactgatt gcgcaaaaac acctcttttc gatttccgcc 300

acattactga atttcacgaa tcacgcaagc ctgctacctt tcgatttctg agacgtctcg 360

ggactccata tattgcacgt catcagagga taatcctcgg actaaattat ggtatgac 418

<210> 16021
<211> 94
<212> DNA
<213> Glycine max

<400> 16021

agcttgtctt aatcttgtcc accaccagat cttgagctgc agaacggact accattaata 60

acatacgtac ctactgacga gagggtaata gaac 94

<210> 16022
<211> 431
<212> DNA
<213> Glycine max

<400> 16022

tatagaatac tgccgctata ttgatgcgcc gtgaatggac atacgagtga aaagttttta 60

ccatgtgaat ttctcgagag cttcctatgt ttaattttga gcgtgtcgat atattatacg 120

cctgaatcga accttagtgt agaaagttat gaccatttga atgtctttag agcatccgtt 180

gttcatttttt gagcgtctct atatgtgatg aggctgaatc ggacctccgt gtgaaaagtt 240

atgacctttt gaatttctcg agagcttccg ttgttcaatt atgagcgtct cgatatatta 300

tgcgctcgaa tcggacatgc atgggaaacg ctaggactat tcgaatctct cgagagcttc 360

cggtgtgcaa ttgcgagcgt ctgcatatat tatgcgcggg aatcgcacat acaggggaaa 420

cgttatgacc a 431

<210> 16023
<211> 428
<212> DNA
<213> Glycine max

<400> 16023

ttctaatgtg tcataagaga aatgtggacg agagagctgt gaggtctata cgcgagatga 60

ctgtgaatgt tacaaaaaat agggaatttg aggagggatg tatgaatgat ggatagcgaa 120

tgctgagaaa acgaacataa tacatgaatg actggccaaa agttcacgac aagacaaata 180

gcgataaata ggtagttata aaaggaggaa ggaaatttcg aaaatccata aatgaaagat 240

acaggaaggc taacagaggt atatggtcaa cgcacaagag acagagatgg tactagaaca 300

gaaaacaaag cggatacacc aaaaaatgtc agacacatgg gaaaaacgtt gactatgata 360

ctatgcaaaa aatgagcaaa tgatagaagc aaaacatgtg agaaggatct acatcgcgac 420

gatggccg 428

<210> 16024
<211> 417
<212> DNA
<213> Glycine max

<400> 16024

tgtcgaaatg actaaaacgc attcttgcat tgattgttct aagtcttgga acccttgtga 60

cacttgtcat tttgctaaac aaaagaggat gcctttccct gacaacatta ttgtttcctc 120

ccaatatttt gatttgttgc acatggatat atggggctct tatgctcatc cttcattact 180

tggtcataaa tattctctta ccatcgttga tgacaaaaac atatatacat ggattatttt 240

cctataatta aaaccagaag tgtcaaatca tattaaacac tttatatcta tggttgacac 300

tcaattctct gtcgcagtta atagcattag atcacacaat ggccctgaat tttccctgaa 360

aaatttctat gattcccaag gtatttttca tctaacttct tgtgtggaga cacccca 417

<210> 16025
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16025

tgcttggaca attgtacatg tgaagcattt ggagagaagt gagattttga agccctttc 60

catccaacaa ctntaaacca ctgaaattgt gtaggaccag anattataga gaagtgggca 120

gtaactgctc cttcaaaagg gtgttaataa gatcttcatc attacggaga cccttaacta 180

aaagatgtga cagagaagtt aggtgttgga atagcaaacc taactcttgt ctagacatag 240

ctgatagtac tcgaacatca acgtaaagtg atcgtaaacc ggaaggaaaa caccttgngg 300

acaatctagc ttctgaatcc aagtgttcaa tggcggggag atcaatctga tctggcagtg 360

atctatagtt ctcacaatca gtgacaataa aacaactaat ttggaagctg ctcctccacc 420

ttgagtagta attgcttcca 440

<210> 16026
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16026

tatatgctac aaagtgttta gcaaacacca caaaccttat caattctctt atctcttcat 60

aatcaaggtg gacatattgt aaagtcataa tctagaaaaa acaagggaaa aaatttcaac 120

cctgagccca caaaaacaaa gagttgtgtc agaagttaaa ttcaaagaca ataaattact 180

ctcataggtg gacactagaa aaatggggct taccatatgc aggttcaaat gtccaaatga 240

ccatatatta actcttttta ttgagaaaat taacatatag aactcacaaa agactaagat 300

atcagggcac aaaatgataa tgatgatgat aaaattattg atactntgga cctttaacaa 360

ctcatgggtt taacatggaa gatca 385

<210> 16027
<211> 393
<212> DNA
<213> Glycine max

<400> 16027

tgcttgatga agaagagaat actcatatca gtacacgtat agctggaaca atgttagtac 60

tgtgacacat ctattagcct gcatccagga tttagatcat aaatagatga tattttataa 120

gtagcataaa aaaccaagag tccaagactt ggttcatact tagttgatag tatttcatta 180

ttaattttat tagcttaaac aattggcttg cactgctgtc cacaatttgt ctcctgcatg 240

aagttataat caattaaata atcctaggaa tacttatgtt tcattgtttt gtgaaatcgc 300

tgactattgg ttactacatg tcttaatagt ggttacatgg ctccagaata tgctatgaga 360

ggttacttga cggataaagc agatgtatat agc 393

<210> 16028
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16028

tctaaaagat ttgtgcaccc acaaaaggaa gctatttgca atgaaaggat tagcatgggc 60

agaaatatgt cagcatttat aggtaaattt gttcctcaca ttcctgagaa atgtaaggac 120

ccaggtactt tctgtatacc ttgcattatt gggaacagta aatttgagaa tgccatgcta 180

gatctatgag catcagttag tgtcatgcct ctgtccattt tcaattcttt atctcttgga 240

cctttacaat ctacagatgt ggtgattcat ttggcaaata gaagtgttgc ttaccccaca 300

ggtttcatag aggatgtgtt ggttcaggtt ggtgaactta tttttcctgt tgattnttat 360

gttcttaata cggaagaagg attttcccat ggtttagttc caattatt 408

<210> 16029
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16029

agcttagccc tagaggggat ggacctttтc aggttttgga gaggatcaat aacaatgcct 60

ataggttgga cctcccagaa gagtatggag ttagcaccac ttttaacatt tctgatttaa 120

ttccttttgt aggtggagct gatgttgagg aggaggaact aacatatttg aggtcaaatc 180

ctcttcaagg gggaggggat gatgcaatcc tccctaggaa gggaccagtc acaagagcca 240

tgagcaagag gctccaagag gattgggcta gagctgctta agaaggccct acggttctca 300

tgaacctcaa ggtagatttt tgagcccatt ggacaaggtt gggtccaatt atctntgtac 360

atatttgatt angatgtcat tatatttggt ccttgt 396

<210> 16030
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16030

tcccaaggaa gttttctcaa gaaatcttct caaggaatct acctagtcta taaatagaag 60

catgtgtaac acttattgta actttgatga atgagagtct tgtgagacat acttcaaagt 120

tccacttctc tccctctttt attccttcaa tttcgtgctc ccccctctct ctttctctcc 180

ctctttcttt tcctccattg aagcatcctc tccaagcttc ttatccaaag ctcatcttgg 240

tggcgaagct ccttcttcca tggcttattc cctagtggat ggcgcctcct ctcacctctt 300

ctcctttgtc ttccgctgca tctccatggt ggaaaatcac cattgaagga cctcatttaa 360

gctcanagat ccagcctcca tagaagcccc acaagcaagc ttccatcaag tggtaatcag 420

agcacaag 428

<210> 16031
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16031

atcttctatc aagtggtaat cagagcacaa gagcttcaag taggtgctcc ttaaacctcc 60

attaattntt tgctttacct tatcttccat tgttgtttct tcattatttc tccatgtatc 120

tcctcacatg tcttgtgata aatgttgtta acatgattct ttagagtttc caccgattaa 180

acttgctata gaagctagat ttgattttct atggctcaaa tttcttgttc ttgttcttga 240

accatgaatt gtgttgagtt taagttcctt tgagttttgt cttgttattt ttttgtagat 300

gaaacctaaa ccataaaatt cttacaaaaa tattaaagta gaagaaaaac tcataaatct 360

agagtgactt gttcacctat tgtagttntg tcatataagt catgcctagt catgaaactn 420

gtcacataag aattcttat 439

<210> 16032
<211> 428

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16032

ttgagccaga atcctgtctc accataaacc ttgttcttgg tgagaatgtc aatccttacc 60

ctcggaagca aaaaaaagag agaaggaaaa tttccaatca aaggaaaaaa gagaggaaag 120

gaaattctca atcaaagagt gggagaaagc aaaaagaaaa gaaagaaaat tcccaatcaa 180

agaatgggag aaagaaaaaa agagaaaaga gaaaagaagg aaagaaagct cctgatcaag 240

gatcgaaaga aaacagaaga aatgtgcaga aaggtctttt gaccagacaa tatctgaaca 300

atacagaatt gtcaccaaat gaacaaaaga aagaaaagga aaccatgacc tanagtggtc 360

ttatcccttt gattaccaac caaaatcctg tgcgtcggtg acttgctcgc ctcgcgcaaa 420

acaaaaac 428

<210> 16033
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16033

tctagcttga aagtgctcta tgcttcatgt ttcaattata tgcaaaaagt cttatattca 60

tcacaagtaa atattttata attaatttaa ataaattctc attaaatata aaatatttgc 120

tcttgttaga tatattaata atgatacaca ctatatgatt ttaatattta tataatatta 180

aaaaatattt ttattaaatt tttgtgcgaa ttaaaattaa ttattctatc acgttgtctt 240

gtgaatgtag tttattattg tggaatgtta acgataatct ttttcacatt atatttctaa 300

cactntatat gattgattag aatttattca aaatgattaa ttttagtggg tctcacgttt 360

aaatcgaaag aaaaaatata ttatntacaa atttaaaatg gatattaaaa agaaagtgtc 420

aaaaaatgtt act 433

<210> 16034
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16034

tttgttttat ataggtctca tttttaagtg tttgttgtct cacaatgagt agatttctac 60

acttatcttc atatgatgaa tgcggtcgtt gggggcattt aatgtttgca ttaaatgcac 120

gtccttttct catgtagaga atccactatt ctaagcttgc gtgttgagta ttaagcatgt 180

agtcacctcc tttttgtcaa agtagatttt gtacagcaaa actcttcatt tgatggtgat 240

tgaaaaattt catacctta tttcatttat tcttcataaa attcaacaga tcctaggaga 300

atatttctac aaaaaagatt tcatatatta aatatcatct taaatgttgt attagatcat 360

aatcatattt atctattgtc taacaaatta gacacaaact tttctaggca tgtntgctaa 420

aacatta 427

<210> 16035
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16035

agcttgacat cntttgatat atcatacaat cagtttgagg gtccacttcc aaacattcta 60

gccctccaaa atacttcaat tgaagcattg agaaataata aaggcttgtg tggcaatgtc 120

actggcttgg agccttgcac aacatcaact gcgaagaaat ctcatagtca tatgacaaag 180

aaagtcttaa tatcagtttt acccccttagt ttggtcattc taatgcttgc attatctgtt 240

ttcggagtct ggtatcattt acgccaaaat tcaaagaaaa aacaagacca ggctacagat 300

ttactatctc caaggagtcc aaacttatta ttaccaacgt ggagtttggg tggcaaaatg 360

atgttcgaga atattattga agccacagaa tantttgacg acaaatatct ta 412

<210> 16036
<211> 425
<212> DNA
<213> Glycine max

<400> 16036

taaaggtggc accttatcct cccaccaatg agcctaccaa acctcacccc acaacgaatg 60

gtaccactca agtcatgagc atggacgaag gatctccagt ccaagccttg actatcttcc 120

aagtaagcct ggatgatgaa ttcgatgtag atccgcgtga tgacactttt gacagagtcc 180

caaagcctat tgaaagcttg tcaagctaca gcttaaatcc aatcttgagc aatctatgca 240

actcagtagg gacctcacca accataagca cagacacata gttgatgtcc tacacaggaa 300

cacggacctg tttgcttgat agccttctga catgtaggga atccacccca acattatctg 360

ccacaagctc atcatctgtc cccaggccaa actggtatca caatataaga ggaagatggg 420

agaag 425

<210> 16037
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16037

agtctcctct accgtaaaan anaaaaacat tatcggccag tgagcgtatt taaaaagtaa 60

ttgcgcaatg tcaactgana aatatcagtc gggctacttc acgaccgatg tnggctattg 120

agttntctat gcaatccctt aatgaaatat ttatgatgtc ggtaaggaaa tgatcgatcg 180

gcgtcatgcg gtgatgcttc ttttttagac ctcgatcggt catctatctt ggcggacgtc 240

gactggcatt tttttcaatc aatatcggtg aaaaatattt ttttgccgag atgggctaat 300

gtnttcctgg ccgaataaat gggaacatgc cagtttctgc tgaaacaaaa cgtctgttga 360

gctcgctcca aataacctag ccgacctaca ttgtacattt tttatgcaac 410

<210> 16038
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16038

ntacagcaga tnttagtaat gacccactaa cctagaatta aaataactta atgccattaa 60

gctagggaat taaaaaacaa acttaatggc tgagtgtaac tgaaattgtg gcaaccaaaa 120

gtcaccccca acagccaaca agtcagccac catttggtct cccaaaaggc tgatgcctat 180

gttgccaatt gggcccttat tacaacttga actaaaccta actaaagccc ttttagttga 240

ttaacccaaa acatattttt ggtcagccaa ctggtacgaa aattgaccaa gaggagttga 300

aaatcaacac aagtgacatt caaagggaag ttaatggcgt gggggctgtt tggaatcctc 360

atcaagggct gagtttaatt acttggctat tttaagcatt gtcatcagtt aagacaaata 420

aaattcagcc attcaa 436

<210> 16039
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16039

agcttgataa tggaggattt ccttgagggt cctctcttat gcaatcatgg aacacaactc 60

caaactcaaa aatggaggac acatgaatga caacgccatt cattcatggn gctccgataa 120

agggtaagaa tggaggattt gcttgagggt cctctcttag gcaatcatgg aacacaactc 180

catactcgaa agtggaggac ccacgaacag gcctaagcaa tagcattcat gtggctccga 240

aaaaggatga gaatggagga ttgccttgag ggtcctctct tangcaatca tggaacacag 300

ctccaaactc gaaaatggag gacacatgaa tgacaacgca attcattcat ggtgctccga 360

aaaagggtga gaatggagga tngccttgag ggtcctctct tatgcaatca tgatacac 418

<210> 16040
<211> 432
<212> DNA
<213> Glycine max

<400> 16040

tcttttggac cttgaacaag ccatcaattc ctcttttata accatgctat gtgctcgcga 60

ctggtccctt tcttcccttc gcaacttgag ttcactattg ctaccccata gagctccgcg 120

aaatttgttc cggccatact cttccttgcg agccctcttg gtctctcgtt caagggctct 180

tgcggtaatt gcattctctt cccgtaaccc ggcacactcc ttccgaacgt gtgtagcagc 240

caacttgaac ttctccttgg cgagttttgc ctttcctaac tcgcttttga gagcttggac 300

ttcctcgtcc tcttccggtg cttcaaaatt ctcttcgctg acgactttta acttggcgag 360

ccaatctaaa cctcgtatgc gaactttcag ccattcgtgg tacccaccaa tgatgccatt 420

acgaacgcct ct 432

<210> 16041

<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16041

agcttattaa anaaataatg tatcattaga aaaccaagtt attaaaagca acaatatatt 60

atcttttatc tcacctgttt taatagaagg ttcatcttca cctttcatta aattgccatt 120

cacattagac aatattcaac acttgatagt caatattttg ttactatgta gcttatctct 180

ttattcaaaa aattgaaaaa agcaacatat atagcaactt aaaataatat taagaaacaa 240

aaatgtaaat acttaattca atcaaaaaag ggaatgataa atcaaccaaa aaataaatta 300

cgaagttata tatatatata tatatatatc aaaactctct acagaagaaa agtcaataaa 360

aatgcataaa tgaatntgta taantaccat ttgggataaa acaatnnttt ttntactana 420

aaacatagaa ttactcacaa t 441

<210> 16042
<211> 428
<212> DNA
<213> Glycine max

<400> 16042

tgcggactat accttcgacc gaacacggcc gtgtttcttc tatgcccgga ttcaaggcgg 60

gttgcagcac cggctccgct tccctaacta tattggaggc ggttgcggtt gcggcagcac 120

cccaagattt ttagataacg taatgagtcc agaacttctc attttataaa aagaacaaag 180

ctttcatcta gccaagatta tacaaaggtg ttacaaaaga acctaacgat tcctaattat 240

atgggccatc aaatctatca tgtgctgaca gtaattgatt agcccatgga tctcctcggg 300

ggcagtacac actttggcca tggcttttgc tttggctaac agacgcggga ggtcttgact 360

tccatttaag gtcaaggcga acctatccat ccacatagtc gcttcttgat gcaacgcatc 420

aatcaccc 428

<210> 16043
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16043

agcttttata taaacatggc ctcagcaaac tccttatttc cagaagggaa ttctatcaat 60

agacctccaa tctttaatgg agagggttac cattactgga naacccgaat gcaaatnttt 120

attgaggcaa tagatctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc 180

acagtggaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac tatagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac aatacaactt anaagccaaa 300

aatataataa catctgccct gtgaatggat gaatatttca nggtttcaaa ttgtaagagt 360

gctaaggaaa tgtgggacac tcttcgataa cacatgaagg aactacagat gttaaaagat 420

ctangatata tgcactaact catga 445

<210> 16044
<211> 433
<212> DNA
<213> Glycine max

<400> 16044

taccaccata ggaggccatg gataagagct tggaggttta atgagatgaa tgaagggaga 60

ggaagagaag agcacgaaat tttatgctcc aaatgagctt tgaaatctga agtttaatat 120

tcaaatgatc aaagttccaa aaaaatgcac acacaaggcc tctatttata gcctaagtgt 180

cacacaaaat tggaaggaaa tttgaatttc tattcaaatt tcacttgaat ttgaaattga 240

atttgtggag ccaaactttg gagccaaaat ttcactaatt atgattagtg aatttaagct 300

atggttcata ccactaatta aagatcaagt ccaagattct ccactaagta tgcttaggtg 360

gcatgaggca tgtaaagcat gaagcacatg cacaaagtgt gactatatga tgtggcaatg 420

gggtgtagca agc 433

<210> 16045
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16045

ttttgctttt attttagtag atgaagatga atctgtggcc acctcatgga ctcctctaag 60

gataatagca tcatttcttg cactgaattg ttgggagttg gaagccatct tctcaatcaa 120

attcctagct tcagcagggg tcatatcacc aagagctcca ccattggcag catcaatcat 180

attcctatcc atgttgttaa gtccctcata gaaatattga agaaggagtt gctcagaaat 240

ctggtggtta ggatagctng cacacaattt cttgaatctt tcctagtact catacaagct 300

ntctccacta agttgcctga tgccttgaaa tgtctttctg atggcagtgg tcctagatgc 360

anggaagatt ttctccaaga acactctctt aggtcatccc agctgaaacg gacctgg 417

<210> 16046
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16046

ntctagcttt tcattggtgt attntgatct ccttttggtg ctctaaattg tgggaatgtg 60

cttaaatatg tggggcaatt ttggtttgtt tacttgcttg attaggttga attgggggtt 120

tgtatgggat ggccctaggc ctataatgca ttttgaaaca atgggacatg ccacattgtc 180

cccgttctct tgctattgat gcctaaacgc gcgcccacca agtgttcggt gaaatgcctc 240

aatggcatta gcgcgtgact tttgtaagga aacaacccat ggggcatttt ggtttgcaca 300

tattttctat tttttggggc atgcattcgt tcctgaaaag gttagagtaa ttgccccaca 360

tatattctag gcctaggaac caaagttnta tgcaaaaaga acacaagagg aggtgcatat 420

tgngtaaagt tacc 434

<210> 16047
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16047

tgcttgtcat tgctcanaag accctccaag agataagagg aaaattcctg aaagataaca 60

acaaaaatga agggctcatt tcttcatgac ctagctaatg gaatttctgt cgcctcaaca 120

taccatgttg ggaagtcgtc aaagagatat cttttgcctg attcgtgtgg caaatacagc 180

aagtccatca ctaaatcaaa gcaaaataga gcacccttte atcacaaatc tggattctta 240

caaagattcc gagagcatgg tatatatata atctttaaca acttaaattt tatttttcgc 300

tattgcttag ttgcaagata tagaacaatc ttctgtcata atttgtatga tgcataattt 360

gacatgatta ttggaaaaca aaatgaagct cttattgatg gctngaaact gtngttgtaa 420

aatgcagt 428

<210> 16048
<211> 430
<212> DNA
<213> Glycine max

<400> 16048

cttggtaatt gctgacgaat gcagtcacag taacattaga ttatatgact ttgagcaaac 60

atcattctct ctataatttg tctccatttt gttaaaactc atatgaagtt ggagccaatt 120

gtattagtag ctcttttagc ccttaatctt tttaggcaca tacttgaaac tgacatttgc 180

aatttttttaa tgcttgcaaa agtttgagac aattagtttt ggttggatca ttctgattca 240

tgattcaagg agcaaaattt tcactgaatg tgaaacaaat agtatgattt tcctgaaaac 300

tatagtcaag tgttctttag gatcttaatt tgtctcccgt ggaccctgat tatttttttat 360

aataataact tgcaggaata tgaagacaga ttaacggttg taaagattga tcatgatgcc 420

aacccgcagc 430

<210> 16049
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16049

tttctttccg caagacttac ggaaagatct tagagttgac catagcagag gtgtccatag 60

aagccattgc agcacttacc caatactacg accagccctt gagatgcttc acattcgggg 120

acttccaatt agtaccaacc attgaagaat ttgaggaaat tctaggatgt cctctcgggg 180

gaaggaaacc atatctttcc tccgggtgtc tcccctcttt gagcagaatt gcaactgtgg 240

tcaaggattc agccagaggt ttggaccgca taaaacagac tcggaacggc atagcgggcc 300

tgccacagaa gtacctagaa gacaaggcga ggggtatggc caatcaagga gactgggtcc 360

cgtttatgga tgtgttagct nntgctaatt ttggggtcat cctctttcca aacgtgga 418

<210> 16050
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16050

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ctcaaatata tggggcaatt ttgatttgtt ttcttgcttg attaggttga attaggggtt 120

tgtatgagat ggccctaggc ctataatgca ttttgaagta atggggcatg ccacattgtc 180

cccgttctct tgctattgac gcctaaacgc gcgcccacca agtgttcggt gaaatgcctc 240

aatggcatta gcgcgtgatt tttgtaggga aacaacccat ggggcaatct ggtttgcaca 300

tattcttggg acatgcattc atgttcgaaa gagctagagt aattgccccg catatgtcct 360

atgcctagga accaaagtct ttatgcaaaa agaatacaaa aggaggtgca tatcgtgtaa 420

agttaccc 428

<210> 16051
<211> 434
<212> DNA
<213> Glycine max

<400> 16051

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gtgtttcttt tgcaagaaga atggacacat gaagaagaat tgcaccaggt tccagaaatg 120

gcttgagaag aaaggtaaat caatctcatt agtatgttat gaatctaata tggttagtgt 180

taatattaac acctggtgga ttgattatgg atctactatt catattgcgc attctttata 240

gggtatgcaa aacctaaaga aaccagtgtg aagtgagcaa agcattttat caagcaataa 300

gctatgctca catgtggagg acattggaac ttgcatattg actctaagta gtggctttat 360

tttagaatta gaaaggactt tgtatgtacc aagttcttcc cgatacttga tttctatttc 420

aaggcttgta ccgt 434

<210> 16052
<211> 429
<212> DNA
<213> Glycine max

<400> 16052

tgtctcagca tttatgcgag acggagacca catgcttcta tcatcgccaa gtaccaagaa 60

gagttaggtc tagccacggc ccacgagcat agaatcgcgg acgagtatgc tcaagtatac 120

gcggaaaagg aggctagagg aagggtgatc gactctttac accaagaggc aaccatgtgg 180

atggatcggt ttgctcttac cttgaacggg agtcaagaac ttccccgctt gttagccaag 240

gccaaggcga tggcagacac ctactccgcc cccgaagaga ttcatgggct tctcggctat 300

tgtcagcata tgatagactt aatggcccac ataattagaa atcgttagga aacttgtatg 360

gtctctcaga ccttgactag atacgacttc ctttttgaaa tataatgagt tggtcccatg 420

tttctactc 429

<210> 16053
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16053

tgcttgttgt ttcagcatat gattagcaag atgatgcaac caattctaag gataccctcc 60

gaagtcctaa cggtttcact gttgaagcaa gtaaaacaaa atatgccaga gataaatgag 120

cgaagcagct ggaaaatcta ctagtggatt tggcattttc tccaaagagt gtcatctata 180

gttcagtcca ctacagaagt tatgtacatc acttgtagtg aaactggagt ggaaatgcaa 240

gtactgacca acagttagtt gtgtggcctt tgtgatacga atatacttgg aagtaaaaag 300

tagttggaca aaagggtcaa acaatgaact ctgaatacgt gtgaatgaag ttattcaatt 360

gattggcgtt gattcttcat cattgntgag ttcataaaag aaaggatcct taaggagatc 420

tgt 423

<210> 16054
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16054

nttccagagc tacttggatg agcatatatn nntttctttc tcactatatt ctttttaat 60

atatatgaac cagcaagtca gaaacctgtt aagaattaag cttctgtaat gcattactaa 120

ccaattcttt taacagaacg ttccttctgt ataaaatgct ccaacttcaa taactaagct 180

agaaccaatt tgatagtccc actacaatat ttgtggaaga aatagtgaca aaactgggtt 240

cattcatgga agccaagatt gataacattg acttcacaaa atgttgtcgc atagcttata 300

ctaaattaga caccaccatt aatgaaacat tgcatctagt tcatatcaat ggtgtcgtca 360

gctatcaact gantttccca attaaaaatt tgttaatgga ttntttggaa atttgaggct 420

gtagtatgct 430

<210> 16055
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16055

agtcttcaag ttagcagcgt cttttccgtt gaacttattt tgtatatatt ttatgaatga 60

gattgtttgt cntaatcaaa ttgtactctc accttgcttt taggaaagat ttgtatgaac 120

tattatattt tgcatgtctt tttaaatggt attatctttt atttaatata gaaatagctg 180

aaacttctgt ttttgatgtc ttaattttgt ttcaagattt tctgaatgga tgcagcatga 240

ggaatatatg ctttgttggg taaattatga gatagtcatc ttctaagcaa actgttattg 300

tcctatgttt gaaaatgtac agaatgtgca gctctatcaa gtattccacg tggtgactgg 360

tactgccaat tttgccaaaa catgttccag agagaaaagt ttgtggcgca caacgccaat 420

gctgtggcag ct 432

<210> 16056
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16056

tagcctcagt ttaaacaatt atttggcccc cactccttac tttttaggcc aagaaagcat 60

cgcgattcgc cagcccaaag acactcccac catttgcttt tacttttact tttgtttctt 120

tttatttaga ttttttttta tgtgaatgaa agccagaaat catgagattt ataacagttt 180

atacacgtta aatcaaatta actaaactcc ttgataatat atttgatcag tactatataa 240

ttttggtttc ctagatttca attatgagaa ttgcatattt ttatatatca taattgtgtg 300

attttaattt tttttaattn tttgttataa attttaaaga catggcacta aataacgtgt 360

taatgatatg atagttgatg tagaatttgt gcaattgaaa ctntgagcga caaanatcac 420

ataattgtg 429

<210> 16057
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16057

tagcttcccg ccaatggtat ttaaaatttc atgaggtcat ttcttcattt agctntgaag 60

agaatgtcat ggatcactgt atataccaga aggtcagtgg gagtaagatt tgtttccttg 120

tattatacgt agatgacatt ctgcttgcga ctaatgataa gggtatgcta tatgaggtga 180

aacaatttct ctcaaagaac tttgatataa aggatatggg agaggcatct tatgtcatag 240

gcataaagat ccatagagaa agatctcgag gcattntagg cttgtctcaa gaaacctata 300

tcaacaaagt tttagagaga tttaatatga aagattgttc accaagtgta gctcccattg 360

tgaagggtga caaacttgct ntgagtcaat gccccaaaaa tgattntgag cgggaacaca 420

tganaaatat tccatatgc 439

<210> 16058
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16058

tctagccaaa tggacttacc ttgaattaat tccttttttag ccctttttgag ccttgtttcc 60

ctttccttgt tttgaagctc actacaagcc ttaaatgaaa aaccatgata tcaccatatc 120

cttaaggaat tttggagctt tggaattgtt ttgggaataa gtgtgggggt ttttgtttca 180

ttggataaca tgttttgttg gctatgcttc atgatgtatt ttgggccata cttgatgtac 240

attgtatatt ggttaaatgt tggacatgct gaatgagatg ttgtttctca aaggctacgt 300

acgtaaaaaa aaaatcgaaa aagaaaaaga aaagcaataa agttgagtga atatgatctt 360

aaatgacaaa agtatgatga gactctnggt tctactctnt atgttntaaa tttatcttta 420

cttct 425

<210> 16059
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16059

agcttcttac ttgggaatca gaaaaatact atggagcaag gtttttcatt cttaagtact 60

tggataaaat gataaatcaa agtaaaactt tcaagtaaac ttaaatatta ttgttccaaa 120

agttactctt aaaatatcat attttgttgt ataacagaag ctggttttca tttttctctt 180

aatatttctt ttgtaaattt tttttaataa aatatcagag tatatctttc gtaaataagg 240

ttttccaaaa aaaataacta agcatgcatg caacaactaa aactaatgag aagcaataat 300

aaaggacaca tcacacgaag gatttatatt ggtttactcc aactcgggct atgtactgta 360

cctacatata tagcatntct ccactaatac caagcaatcg actaaggaat tatttctctc 420

ctaaagcctc tgtaggctcc tacaa 445

<210> 16060
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16060

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gtcgtttacg ctgaccacat gacagcgcga gagtgttatg cctcaagtct cacaatcagt 120

agatggacta aatgagtcga gcctacgaca cagctggtgg catacactga cctgaataat 180

ctgagggata cctagcttga tccgagagaa gaatgacaga gggaaaatat gacggaagaa 240

gtcgagcctt ttctactcag tagagaaaca tcccagtgca ccaaactcaa atagttaatg 300

atcgcagagg tggaagaaaa tattacccat gtactagaag ctaatggaga cttattctga 360

tggtccagat cagatatgcc tataatcgac tctaagattc cactatcaca agctangaat 420

ctatctagaa tctaaacctg ttgtgcaaag a 451

<210> 16061
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16061

agctattata ttgggaaaag ggtgtgaata acgattagtt atgtagagac aagacacgat 60

agatacaatt gtgaaaagaa ctcatttata tgcactctga agtanaagga gaattatgac 120

actaacccaa gtccaacttc tcaatgattc ttaataacat tgcccttata ccatttgtct 180

atgcaattat tttctcgttg acactaatta gaaagcaacc tagaaaatcg aacggtataa 240

tttactcaag aggtgaaagt cagtatatat gatctttctt ctatataatt aacttgatgg 300

ttatatgtct ttggataaaa agtcaagagt ttctgttatt gttatctgtt acgtaagact 360

attcctaatg a 371

<210> 16062
<211> 434
<212> DNA
<213> Glycine max

<400> 16062

tgaagaatgt aggaacgaga atgtctcatc aagaatgtat gagtagtcag gatttagtgc 60

caggtaacat ggaacatgga atagatgcta ctccaataac ctgttgggca gaaaacaata 120

gcctttccaa actgtgtttg caatcaaata agtttgaagt atctactggg ggaaatgatg 180

ccggtctgtc ctcgcagcct aagattaaac ctctaaattt ttttaactgt catgaaagca 240

gcaaaaacaa cccagtggag actaaaaatt attccatctt gggccatagt aaggacaagg 300

aagaagtggc atcacattca tcttcaacca aacaaaatac agataataat gataacatcg 360

attctaatgt gctatgtgat agaaaggaag aagagaatat ctgtcacaga agagataatc 420

tgggaagtct gtgg 434

<210> 16063
<211> 376
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16063

agctattact tttagttgat tcactctcgt atcataaact aaaagtttgg tgtttcttac 60

ataaaagttg agacatcaca atcttaaaaa gctcaaacta tgaaacagtg gtatacaaca 120

attattgatg tgaatatatc tgcatgtgat ttcaaggtca ttggagctat tctcatatta 180

atgggactnt actcggatct gtggggcaag cacaaggaga acaaagagaa agaggcagag 240

ataaccattg aggtattgaa gtgttgatca taaaatggga tgaggttgga gactgtggta 300

gaatatgctg aaacaaacaa cgacattgag atgcaaaagg gtgaagcctc aagagagcta 360

agggtagcca ttggag 376

<210> 16064
<211> 433
<212> DNA
<213> Glycine max

<400> 16064

tgaatagcag atccagtgca ctcagcataa tcatgtttta tcactatgtt ccctaaaaat 60

tctgtgggat tgagtatcta aaaagtaatg acaaaattga ttagtttatt aattaatgga 120

tgacttttt ttatcggtta atgaatatgt acttgttgca tgcattatta acttatataa 180

tacttacttc caaccattct tgagttcctg atggttccca tgctgctaaa ccacctttc 240

tactctgcaa taattaagag aaaaaagaac cacagttgca tcaaaagtaa atattctagt 300

agtaaaagta aatcaaacat caattattaa tgtcgtctgc gctaacccca acttcccaat 360

gataaaagat taaacaaaga gaaggaccat caattgattg atctattaat taattaaaag 420

catatgacca tga 433

<210> 16065
<211> 186
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16065

agcanctagc caaatggact caccttgaat taatgccttt gatagcccct ttgagcctat 60

gtatccgtaa ctttgttttg aagctcaata caagccttaa gtgagaaacc atgaactcac 120

cttacccttа aagaattatg gagctgtgga attgttttgg gaataatctg ggaataagtg 180

tggggg 186

<210> 16066
<211> 437
<212> DNA
<213> Glycine max

<400> 16066

tcatgatgaa tcaagattga ttcaaagaag ttttgattat tacaaaggta atgacaaaaa 60

gctcaaaggt caagaacact tcatgataac aaagatgatg atctcaagaa tcaaagaatg 120

agttcaagat tttcaagatt gaatcaagaa cacttcaagg ttcaagagga aatttgattt 180

caagaatcaa gaatcaagat tcaaggttca aggttcaagc ttccaagaat caagatcaag 240

attcaagact caagaatcaa gaatcaagag aaaaattaat caagataagt atgaaaattt 300

tttttcaaaa actgagtagc acatggattt ttctcaaaac ttgtttacca aagagttttt 360

actctttggt aatcgattac cagattgtgg taatcgatta ccagtagcaa aatattcttg 420

aaaaagtttt caactga 437

<210> 16067
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16067

agcttattta gaaacaacta ttacgtccta ccactctagg ctacaataat atcctctagg 60

ccactattgg cacaccttta gactcatcat gaatctaana aactcaagta ttgtttaaca 120

ctaagccatt nttggctttc acaaacaaat aatgtttgat tgaatacaca aatttaaatc 180

actcaacata gtggataaac aattaagctc gaatacaaat aataactttg atatgtaaat 240

gatgaactaa ttaagcacta ttatgtatca cccaatgact tgacaatttc tcacttcaaa 300

atgctcttgt ttttcacttc gtattttcgt tttttttctt cttgcacttg ataacgatgc 360

cttggtcact ntttataaac ttcatgaaag tattcattac gagattatng tttgtctctg 420

aattgaccgt tgtcttac 438

<210> 16068
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16068

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ggtaattcag aatcacttaa aattagtgaa aacaattggt tccgtgaaga aaatccgagc 120

cgaggcactt ccgtaacgtt tccgtaacgt ttccgtgggt gatttcgcga aggttttcga 180

ccgttcttcg acgttcttca ttcgttcttt gtcgttcttc ggtctccaac cggtaagttc 240

cctaaatcaa acttttcaat tcattctatg tacccttagt ggtcctcatt tgcttttatg 300

ttctttcatt tacatttcat ttactttccg tacccccttt tgacgtgctt tagtcatttg 360

cttaagttat tttctcgcct aatcaanaaa taaaataaat gtccaccgtt catttgaatt 420

gtaacat 427

<210> 16069
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16069

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tagtcgaaga gaagttcaag tccatagcca tcaaagtctg aanagagtat gatgaactaa 120

gggacgtcaa tatggccaca gctgaagcct tggaacgaga aaccaagaag gcccgaaagg 180

aagaacatga ccaaaacaag ttttgagggg ctttataggg cagcaatagt gagcccaagc 240

tccgaagagg tgaaaggaat catcacgggt caaaggcatg atctggaagg acgagctaaa 300

ggcttgcctt angtcgaaaa gaaatttgtc ccaacagtta aagcgagact gaagggaata 360

tgtgggccat catcgataag tgcaaagaga agctaaatct 400

<210> 16070
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16070

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aagataagta tgaaaaggtt ttttcaaaaa ctgagtagca catggatttt tctcaaaaca 120

tgtttaccaa agagttttta ctctctggta atcgattacc agatttttgt aatcgattac 180

cagtagcaaa aatgtttttc aaaaaacttt caactaaatt tacaacgttc caattgattt 240

caaaaagctg taatcgatta caatgatttg gtaatcgatt accagtgtgt ttgaacgttg 300

aaattcaaat tcaaatgtga agagtcacat cctttcacat aaaagctgtg taatcgatta 360

cactaatttg gtaatcgatt accagtgatt gtttctgaat aaatcaaaag atgtaactct 420

tcnaaatggt ttt 433

<210> 16071
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16071

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aaaaagaaaa ttntggacag gtaataaagt atatggttgg tatttggatg cgtaaaactt 120

aaagagtcac tagagaggtt ctctctctct atctctctcc cgccattgaa gtaaagtaac 180

tatctatcgt tctgagaatg agaatcaacg cattctgtgt ctccgcctct gcttctatat 240

attctccttt tcctaatcca catgtacttt ntcggttttt ccattcttct gttatgtatt 300

tacactaatt acttttttagt ttaaccactg tgactctcac tgattaatcg tgttatctct 360

agggtgcgct actgcaagat tggaagcttc ggaagcat 398

<210> 16072
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16072

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tctcggtcga tcattatgca tgctgcttgt ggccagcctt gaagtgtcca tagattttag 120

agaaaagatt ggcacattgc aaaaacagct gatgaatgcg agatttggtg ggaatatgag 180

tccaacttca agttcgatat caagatttgt caatgaagcg aaggagggag gggaaataga 240

agaggagata attgatgtta ctagtgatga tgttttacta cagcttaaga atggtgatgc 300

cgaggaattt gcagttgcac tcttaaggct aaaaaagttc atcaggggtg gaaaactgga 360

tagcgggtta attaatgtgg aagctgctgt ttccattctt tttaaccgtc cattttcgtc 420

<210> 16073
<211> 435
<212> DNA
<213> Glycine max

<400> 16073

tgctttaaat aggctctaaa atcgcgacgt tgcacttagc gccaccctcg tgcttagcgc 60

gagtaagtgg gtttgggctt agcgccaatc ttgcactaag cttggctgaa gacacctatt 120

gcgcttagcg cactggtctc gtgcttagcg cccggccttg atattcacgc cctgccagat 180

tctccttcgt gctaagcgcg atgtgtagaa acaagcttca tgatgatgaa tcaagttgat 240

tcaagtagtt ttgatgatga caaagatgat gacaaaaagc ccaagagaat gatttcaaga 300

ttgagtcaac aagttcaaga tcaagtttaa tttcaagttt catgagaaga aatcaagaag 360

attcaagaat caagagaaat ttgatttcaa gattcaagag aagatgaatt caagattcaa 420

gagaagaaat caaga 435

<210> 16074
<211> 429
<212> DNA
<213> Glycine max

<400> 16074

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agcccgagag aatgatttca agattgcgtc aacgagtttc acgaatcacg agaagtgtga 120

ttttgagatt caagagagga tgaattccag attcaggaga agaaatcaag aagacttcac 180

aagggaagta ttgaaaagat ttgtcaaaag acaaacatag cacagttttg tttttcaaaa 240

gagtttttct caaaattttc taagttacca gagttttttac tctctagtaa tcaattacca 300

gtttcctgtt gtcgattacc agtggcatag tttgatttcg aaagctttca actaaattcg 360

caacggtcca attgatttca aaatggtgta atcgattaca agatattggt aatctattac 420

cagtgtatc 429

<210> 16075
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16075

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agggacagaa aatggatgct atgccctttt gctaaacgta attntaaata ataataataa 120

taatataaaa agttacatat tacattttat ataaatcgta ttccaataaa cttgtttcca 180

aattttaaga gaaacttact taagggattt agagcattat ttcgatgata atctttatat 240

gagttattta attttttttc ttattgaaac atgtgacatg gcattattta tataaacaat 300

cgttatttaa taaatttata ttataaataa aatatttttc aaacataata actcataaaa 360

ttaagttaat taattatttg agccatttta acatcagaat aaatntcata caaaatattt 420

aaatttatgc aaaatt 436

<210> 16076
<211> 423
<212> DNA
<213> Glycine max

<400> 16076

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aaattggacg agggcaagtg tgatttcgaa aatctgcact attatgcaga attttgctgt 120

tgaaatgtgc agcagaattt tggctttgtg cagaaaatga tgtgtatttg ctggttgtgg 180

aaagagtagt atagattggg ttctggatgt tttctagcag atcccaatgg tcacaatgta 240

gatttatgta ctatggacct ccagtaaaat tttcgagtcg atccaacggt taacgaattg 300

gaacgaagag aatgttactg gggtatttga gtaaggaaag ctacggcatt ggtttgtgtt 360

tttgggcaga gttttctgtc tttgccctgt tttcttggtt ttgatagttc atgatgtttg 420

gat 423

<210> 16077
<211> 515
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16077

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tccagctgcg cgctttttat ttttccttaa agagatctat gaaagataaa gcggctttaa 120

gaaacaattt ctgctccgaa tatgacaacc accgttttat gaatgctgaa caccatcagc 180

actttcaggc catcaatgga tggatatttc tcctggagcg acacgtccag ctcatggacg 240

accagtatac cgactttcaa gaagagaaag ttagcccgcg gtggacatca ctggttaccc 300

ccatggccaa gttctaccca aacgtaattc tcatagttta tgcgaatgca tggcctatat 360

acgaagactt gccagatatg cgatcctatg tgaggggtca ctggatatct ttcgatgagg 420

aagctcctca ccactntctg agataccctc taatgcttta agaggtccta gaatgtgaat 480

ttgcctaaga agaacccgct tcaccgattt gatga 515

<210> 16078
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16078

tttcgtaaaa cttatggtaa aatctgggac ctatccatgg tagaagtctc cacagagacc 60

attgcctccc tcgcccagta ttatgatcag ccgatgaggt gcttcacctt tgggaacttc 120

catctatcac ctatggtaga agaatttgaa gagatcctag gatgccctct agggggggagg 180

aaaccatacc tcttcacagg gttctatccc tcattagcta gaatttccaa gatagtccaa 240

atctcggcgc aggaattaga ccacaggaag caagtcgaaa atggggtggt tggaataccg 300

agaaaatatt tggaggcaaa agcaagaatc ttggtaggta aaggcgagtg ggccccgttc 360

atagatattc tcgcactgtt gattntcaga ggagtcctct ttccaaatgt ggatgggttg 420

gtggacctg 429

<210> 16079
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16079

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caaggaaact tccaaagaat aacgtccaat caattntgta ttntatatta tttaaagata 120

ttttgactat tttattatta ttttgctttt tttggtttaa ccgaggttac agcgtgaacg 180

atcaattaga ttttgtttta acagtgatta aacgagatta caacacaaat gatcggttga 240

aattcatttt atcatttatt aggtgagaaa acgacttaca cgatcggtta aagctcgtta 300

aaaatggaag agaagaaaac cggacatgaa caaaatgaat atgatagcta aaaaacaaga 360

gatgaattga aagcatcgga ttc 383

<210> 16080
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16080

tcaacttaaa gagagtagtt caggcttagc gcaacatgcg cgctaagcac acttccaagc 60

atttcaaaaa caataaagaa ttggcactta gcgcatcctg ccgctaagcc catctcgtga 120

aagttcaatt ccagaatgga tctgtggctt agctcaggac agcgcgctta gtgctgctac 180

aataaatttt tccagagaag aagttgcgct tagcgcatca tctccactaa gcccactgct 240

tgaagtttac ttctagtgaa gatgttaggc ttagcgcagt gatgtgcgct tagttgaact 300

attcagtcaa ctagtcaggg gtctaagcgc ttagcgcaag agagctcagg cttagtgcgt 360

gaagacatgg cgcttagcgg atggacaact ganaaaattn tcaaagtctt ttctgtccat 420

ctcttcac 428

<210> 16081
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16081

tagcttcaac attcaattnt gagcgttntg atatattacg atactcaatc ggacatctga 60

gtaaaaagtt attgtcgttt gaatttgctc agagattcgg tattccattt cgagcatccc 120

gatatattac gggactcaat cagacatcca agtaaaacgt tattgtcgtt tgaatttgct 180

aagagcttcg ataatcaatt tcgagcgtct cggtatatta cgggactcaa tcagacaacc 240

gattgaaaag ttattgtcgt ttgaatttgc taagagcttc gataatcaat ttcgagcgtc 300

tcggtatatt acgtgactca gtcagacaac cgagtgaaaa gttattgtcg tttgaatntg 360

ctcacagctt caacattcaa tttctagcat ctcgatatat tccatgactc aatcatacat 420

ccgagtaaat agttg 435

<210> 16082
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16082

ttgagcaaat tcaaacgaca ataagttttt actcggatgt ctgattgagt cccgaagtat 60

atcgagacgc tagaaattga ataccgaagc tctgagaaaa ttcaaacgat aataactttt 120

tactcagctg tctgattgag tcccgtaata tgtcgagacg cttgaaattg aataccgaag 180

gtctcagcaa attcaaacga caataacttt ttactcggtt gtctaactga ctcccgtgat 240

atattgtgac gctcgaaatt gattaccgaa gctctgagca aattcaaacg acaataacgt 300

tttactcgga tgtctgattg agtccagaaa tatgttgaga tgcttgaaat tgaagactga 360

agctctgagc gaattcaaac gacaataact ttntactcgg atgtgtgact gagtcccgta 420

atata 425

<210> 16083
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16083

agcttattat atattgatac gctcgaaatt aaacgtcgga aactctcggg aaattcaaat 60

agccataaat nttcacacgg atgtccgatt cgggcgtata atatgtcgag aggctcgaaa 120

ttgaacaatg gaagctcttg agaaatttaa atgggcataa cttttcacac ggatgtccga 180

ttcaggctta taatatatcg atacgctcga aattaaacat cggaaactct caagaaattc 240

aaatggtcat aacttttcac acggatgtcc gattcgatcg cataatatgt cgagaggctc 300

gaaattgaac aatggaaact cttgagaaat tcaaatggtc ataacttttc acacagatgt 360

ccaattcagg cttataatat attgatacgc 390

<210> 16084
<211> 427
<212> DNA
<213> Glycine max

<400> 16084

tgaatcggac atccgtgtga aaagttatga ccatttgttt ttcacgagag cttccgttgt 60

tcaatttcga atgtcactat atgtgatgcg ccaaaattgg acattcgagt taaatgttat 120

gaccatttga atttctcaag agcttccgtt gttcaattct gagcgtctcg ttatgtgatt 180

tgtctgaatc ggacatccat gtgaaaagtt atgaccattt gtatttctca agagcttccg 240

atgttcaatt tcaagcctct cgacatatta tgcgcccgaa tcggacatcc gtgtgaaaag 300

ttatgaccat ttgtatttct caagagcttc cgatgttcaa tttcaagcgt ctcgacatat 360

tatgcgcccg aatcggacat ccgtgtgaaa agttatgacc atttgaatat ctcgacagct 420

tccgatg 427

<210> 16085
<211> 324
<212> DNA
<213> Glycine max

<400> 16085

agcttttata agaaagtgaa gtcaaaaact tttaatgttg gagatttagt ttggaaggtt 60

atcctgccca tggatagtaa ggatcgagcc ttgggcaaat ggtccccata ttgggaagga 120

ctcgttaaaa taattcatat ctattcgaat ggtgcttatg aattagagga attaacccct 180

cagaaacgta ctttgagtat aaatggtaaa tatttgaaaa aatataaacc aacattgctc 240

gaagttaaat aagcatagaa ttacagaaga atggaacata aaatggtata acagtaaaat 300

tgccacaaag gcatgtgtca aatt 324

<210> 16086
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16086

tgtccaatga ggtgacaatg aanataccta gtgttactat ctgatataca gtttttgctg 60

ctcgttttat tgtcaattcc aactgcatca atgcatcttt aacaagcata ccacgaacca 120

gagcagcaac caagttgacc ttctttggac tctaaaatac catagaaaac aaggtatgta 180

aaatgtgcaa ctagtcagat attaatcaga tccttcttaa accataaatt aaggcatttt 240

ccacagcaaa ccagggaagg catttcaatg gctaaaaaat tagatgccaa cttttctgca 300

aaataacatg ttggttaaaa cacagaagtt tcttagcaag tagctaggca gtggcaccac 360

ataaatgtaa caaaacattg taattcttca atatttatgt tatggctaag ctgaacatac 420

ttgtgataat acttatg 437

<210> 16087
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16087

agcttatact aagttcagcc taccatcctc agtcagagga tataccgaag actgctttta 60

ngatccgtta tggtcactat gagtatctag tcatgcccct tggtatgact aatgctccag 120

gtgtgtttat ggactacatg aatagagtat ttcaccctta ccttgatagt tntatggtag 180

tattcataga tgatattttg gtatactcta agactagaga ggaacatgaa gaacacttga 240

ggattgtgtt gcataccctt agggaccgac aactntatgc taagctgtcc aagtgtgagt 300

tttggttaga gaaagttagt ttcctagggc atgtgatatc tcaaggggtt aaacctgtag 360

atccctctaa gatagaagtc gttcttgagt gggagagtcc taagctnttg tgtgggatac 420

ccaatgtaag catagttt 438

<210> 16088

<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16088

ttgagccaaa atcctgactc accataaacc ttgaccctgg tgataatgtc aatccttacc 60

ctcggaagca aaaaagaata gaagggaaat ttccaatcaa agaaaagaga aggaaaattt 120

ccaatgaaag aggaaaaaag aaaagaaagg aaattcccaa tcaaagagtg ggagaaagaa 180

aaagaaaaga aagaaaattc ccaaccaaag aatgggagaa agtaaaaagg gaaggaagct 240

cctggtcaaa gaaaccagag aggtctttgg accagataat atctgaacag tacagaattg 300

tcaccaaatg aacaaaaagg aaggaaagga aaccacgacc tanaatggtc ttctcccttt 360

aattaccaac caaaatcccg tgcgctagcg acccttttt ctcgccccgc actanaaaaa 420

aaaa 424

<210> 16089
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16089

agcttcttag tttcagatga tgcagctgag tttgtagcta cctcatgcac tcctctaatg 60

attataacat catttctggc gctaaactgc tgggagttgg aagccatctt ctcaattaaa 120

tgtctagctt caataggagt catgtctcca agggctccac cactggcagc atctatcata 180

cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ctctgaaatc 240

tgatggtgag ggcaactagc acatagtttt ttaaatctct cccagtattc atacaggctc 300

tctccactga gttttctaat acctaagtta tccttcctga tggctgtggt cttggaagca 360

nggaaaatgt tttctaagaa tactctctta aggtcatccc agctcgtgat gaaccttgga 420

gcaaggtaat ac 432

<210> 16090
<211> 432
<212> DNA
<213> Glycine max

<400> 16090

aaccaaatgc tcaccactgc tagaggagaa gcctttatgt tatttcatat aaacctcctc 60

ctctaaatca ccattaagaa agcatgtttt cacatccatt tgttgcaact caaggtcaaa 120

ataagcaact aatgccaaga taatacgaag agaatctttc ttagatacag gagaaaaagt 180

cattgtgtaa tcgattcctt ctttttgagt aaatccttta gcaacgagtc ttgccttgta 240

tctctcaatg ttgcctaatg aattgttttt ggtcttaaag acccatttac aaccaatggc 300

ctttgcccta ttaggcaact ctacaaggtt ccaaactcca ttgctctgca tggaattcat 360

ctcatccttc atggaatcat accataaatt tgactcttta caactcatgg cttaatcaaa 420

atatttgaga tt 432

<210> 16091
<211> 408
<212> DNA
<213> Glycine max

<400> 16091

agcttgcaga agaataaagt tcaaggtcaa gggaagcaga tagtggaaga aagaaaatgg 60

agaataggaa taagcggaag agagaaaaat ggagaaaagg aaaaactgaa tattatgttg 120

gataatgctc aaatgagcaa aactcacatt tacatgaata cattgtgcct tatatgacta 180

aagctagtaa gttgttacat aattggttac aagaataact agcttgtaac taactaaaac 240

taactaatgc tagtaacact agtaatctat atctctaata caatgctcaa acaaaccata 300

aagtaaagtc atgaattcag gatccataca tattattctg gtggcggctg aagacaatga 360

catctgcacc cagtctcata ctaccagtct tgaagccatt tccatcta 408

<210> 16092
<211> 374
<212> DNA
<213> Glycine max

<400> 16092

tgtatctttt atgatgaagc agctatgaag tatttttcac taggtgaggc tagctgcata 60

aatcaaaaga caccattgtt ttctatcttc aactaaaccc tttgctagtc catttagata 120

aaatataaac ataaaaaaaa aatccaggtt ttcatgtcta ctctagtcat gatgatcagg 180

ttttgggtaa tgaaacacaa ataactctga aatttttga gagaactaaa taagaaaaat 240

cctaacaata aggggaaaaa aataattaag aaaatcaaga gatgtacaca ttacagatgt 300

acaagaaagc aggatagtga gacccctaga tcaaccaaaa aaaggatatt tagatttcca 360

aatgttttta ttat 374

<210> 16093
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16093

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ctagagcaat tggaaggcct tcctaggcat aaagcanatg ccagatatgt gaactatgtt 120

gcagaanagg acaaaaataa tggtaattta tatgattctt cacttttagc taataataac 180

atggagcttt tctctgagcc tgagcatgct aaggtgtttg gtcatgttcg taagctttca 240

aatgagagtg ttgaaagcga tggaagctca atacgaggta gtgacatgtc taattttggg 300

attccaagtt catctggtga tggctctcat gaccttcctg gatctgcttt ggtttcaaga 360

gagacagata ttatgggcca cacanagtcg aagtctactg gtgaatactc aatagtcctt 420

ccactagat 429

<210> 16094
<211> 426
<212> DNA
<213> Glycine max

<400> 16094

tagtgtagaa ctggccacca aaataacctt ttttaattta tgagttgatc aaaatgaaac 60

cctcgtgcaa cataaaaggc agaagcaaat aataattatt tacctctttt cttctctcag 120

ctcgctcatc acacttgaaa ctgaatccat attttgggag cgcccccacc ctgcgaggtt 180

tggcatcttc tgcagtagga cttacaactg gattaaggat aaaccataaa tacactgtgc 240

cactctcagt aacaaactaa caacataaat aatataaaca aatccacatt agctccccat 300

tgcctctcac caccataaac aatgctcaac caggaaaaaa aaggatacga agaagattct 360

gcttctcctt gaagattatc atggggatct ttcttcgata attgtggtct agtcttctcc 420

ctgtat 426

<210> 16095
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16095

agcttctccc ctaattntct ataaataggg ggagaagtga agtagaaaag ggttcagccc 60

cttaggcact tctctctctc tcgaaatagc tgaggaaaat tagttccgtg aagaanatcc 120

aagccgaggc gcttccgtaa cgtttccgtg agtaattacg cgaagattct cgaccgttct 180

tcaagattca tcgttcgttc ttcattttct tcagtcttca acgggtaagt acctcaaacc 240

aagcttttca attcattcta tgtacccgtg gtggtccaca ttntgtttca tgtattttta 300

ttctcgtttt catttacttt ttatacccccc ttttgacgtg cttaagtcat ttatttaagt 360

catttctcgc ttaatctaaa aataaaataa atttccaccg atc 403

<210> 16096
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16096

ngagtaaggc acccctttgg tttgaagacg cgttcttgtt gagaggcatc cacataaagt 60

tctccacaga aaatgcttta tcttgggagg tatacgaaga ttccatatag tggaccagct 120

tccttgaact ttgagagctt ctttgttcac catagtctcc attaaaatat gataatctga 180

tcaaaccgag tatgtcccca tggtactaac tttcaaaatc aaaatatcag aatcatgaag 240

attgaagagt ggcatcatct ttatttcttg ggaatcttct ttattgaaaa attgatcagt 300

aacctcaatg ttccaactat tgctttcaac atcaataagc gaatgtactg tcaaatgttc 360

aagaccaaaa agaggtaagg acgaaacata atacttatct ttattctg 408

<210> 16097
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16097

agtcttgtaa caaggaaaaa taaaggaaac aggaaacatc ataattcata aggagttctc 60

tgaccttcgc caattcaata gtgctcagat ccattccgat tctggttgta tagaactccc 120

tagtcataaa gtcctttcag tatatgaatt tgtttgcaaa atttccagca gaaaccaact 180

tccgaaatat ataagaggag gctaaagata tgtagagttg ctcctgcata aatttagaac 240

ataacaagca gttcaagcct caagctagga agtaaaagaa aaattttaat tctgatctag 300

agcagaataa ctaacatagc atactgtgct acattacttt cgaggcttca attactcana 360

tcagggtaag ttcataagat agatatacaa ccagtatata ntgttataat acatcactct 420

catanaaata ttagcattc 439

<210> 16098
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16098

ggaccttaaa tctcagcttg gccaggtatt catgtttatc tagcctttga gtatgtccat 60

tttgatttat ggggaccatc tagaggaaaa actcatggtg gaagctcata ctttctcacc 120

atcatagatg atttctccag aagagtatga ttgtatgttt tgaaaaataa gtcagaatct 180

tttcaaaaat tcagagaatg gcatactctt attggaaatc aacttggtac aaaattaaaa 240

gttttaagga ctgacaatgg cttggagttt gtttcagagc agttcaatga gttttgcagg 300

aaaataggca tcaaaaggca caaaacagtc cctcacacac cacaacagaa tggtttagca 360

gaaaggatga ataagaccat tttgganaaa gtgaagtgca tgctactaag tgcaggactg 420

ccaaatacct tttggggaga a 441

<210> 16099
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16099

agcttgtgcc acctacatag cataggtttt tcatggttga tcaacctaag ctgtggntgt 60

aaatattata aantttacat acccaaatta aacctataag ttagaggtga ccaatgagtt 120

acctattatg atcagtcaaa cttactatat gtttcttcat taaatcttaa tcaattaatg 180

tgatggctaa aaatattggt cgtaaagctg attatccaca tctaggacta ccgacttgct 240

caccaagcca taaggagaag aatcattctc 270

<210> 16100
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16100

ntagaaccac aaacaaaaaa ttatttgtta ttagcttttt gtaaaacaaa aaatatgaca 60

tatgttaata aaaaccattt catacactct gcaaaaccat ttcatacagt atttgtagtg 120

tactctcaat ggaaatacac ttatgagata acctctaata ttttttttatc agtgaaaaac 180

tctataaaaa aaggtaaaac caaaagacag aaactccaag gaccttataa gtccaatcag 240

ctgagcccac tgagcatcaa cagtactcca ttgatccccc tcaataacca aaaaaatatg 300

aaatacggca tgtgagaata gggtcagaga ggataacatt agcacagacc atgatatcaa 360

agatggttga cagacacgaa atcttgtttg caaaacaaga aaaaagattc actacataaa 420

taaaagacat aac 433

<210> 16101
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16101

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aaatgttcaa tccttttaca agaaagacaa aaatagaagt tcgtatatga aatattcaaa 120

tgtttcatat atccttttaa atgatgttga agtgtttaca tgtaattatc cataatatcc 180

tgtttatcta ttttttttca tactactttt gtactcaata tagttctata tatatatata 240

tataatttac tactatcgat tctttntata agaaacaaat gatacttcaa aacatttcat 300

gcatccatga cagaagatta aaggcataag ctagaccatc caaacaagaa tacaaagttn 360

ttgtgcttga tc 372

<210> 16102
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16102

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ttgtgttgaa ggctangcat atagctgaag cagctttgtt tcttgcttct gatgatgctg 120

ctgtttacat cagtggtcac aacttggtgg tggatggtgg gttctctgtg gttaatagaa 180

gttattcttt cacaccagct taattacatg tagagccaaa aaaacatagt tttgtggctg 240

gttggcatta atttccctag ccttcatcaa gttgagaaca tgatgatgtc atgcagtgcg 300

tcaaattacc ttgttactgg gacttttttt tcatttgcac tctactaata attctgcaat 360

gtctcttctt tgtttgcatt ttcaaagcat acattcatca accttgtctg cttgtgactc 420

aaa 423

<210> 16103
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16103

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acttattaca agaaaaatga cctataccta cagacaaaaa ctgtcactat aaataaaaaa 120

tccgtaggta aatgtatgat agactttgtt ctacggacgt ttttttccgtc aactttgagc 180

gacatataat gacggctaat tgtctgtcac tataggtttt acctactatg tatagtgtgt 240

aggtaaaagt cattaacttc tacttacatc tcctaactgt aggtaaaagt ctttaatatg 300

tacatatcat cttcaactgt aggtaaatgt ttagatctta gagaaagctt ataacataca 360

taattgaatg tgggcagtgc agcaaaccaa tacctctctg cttcttctga ctanaaaaga 420

attatataaa ctcatg 436

<210> 16104
<211> 418
<212> DNA
<213> Glycine max

<400> 16104

tatcaccctt actgatgatt gaaaaaagct tttaatggaa gtcaagagca tgatagtgca 60

acgactatcg acaatgttcc tttggaaaat gatcaagtga aggtcggtat taaggaagtt 120

tgagatgttg atgctcgcac tcctgtaccc actcaagagg ttcaattagt ggagtaggca 180

tttaacacct tccttgcttg ggcgacacat cttgtgaaac ctttttcaga acaggtattt 240

catttagttt ttttaataat tattaataaa ggatttgtta caaatcaagt tttgagtgtc 300

attcgcttaa tgtttattaa atgtgttgga taaacaggta gttgcgggat tggcgaaacc 360

tgtacatatg ttggatcctg acattgatcc cctttacctg atgacattga caatcttg 418

<210> 16105
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16105

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tattatttaa ttgttggatc ccaatcccaa ttctatttgg ggggtagctt aaatggttaa 120

gtagagcgga acggaagacc ctttgatagc atgtgacgcg aagtcctcaa gtacgaaggt 180

gattagcagc ggagtggtcc ttaaggctgt cgtacctgct ctagtccttc cggcgtaatg 240

ttctccgaag aatcggttca gtctttccct ctgtggctgc tacttcttta cttcttcact 300

agtcttgaga ttntagccga gactttgctc aggtctcata gaaaagaaga ttccttcccg 360

ctcttctctg aatggagaga atgagttcta ctctttcact ggaagctatc ttactaaaga 420

gtggtcctat cttt 434

<210> 16106
<211> 427
<212> DNA
<213> Glycine max

<400> 16106

ttgcctaaag ctatgagtcg agaaagattt gtatttgaca gatagcttac cccgctttca 60

cgggaagggt cgcttcgctc ggggagtgga ggggaaggag aggacaggtt cagccgtcag 120

agtagagtag tggagccaga aaggaaagaa tgagtagtac cagagagaca tgttacgaaa 180

gaaggaatca ccaaccataa agaaatgtaa ctgtcctggg atataggaaa ttcttcacat 240

cttctcttat tctctttatg gttacccggt aatgccctat ctaaaagtgg attattgtat 300

gatagtctta tccttttcct tccccagctt gaagtaaacc catctctact ctcttctcgg 360

agtttcactg tggaactaag gcatctactt cactattgag tgggaatccc ggatctctgt 420

ctgaaag 427

<210> 16107
<211> 328
<212> DNA
<213> Glycine max

<400> 16107

agcttgtaga ttggctagac atgatacatg tcagggtttg gtttggttca aggataaaag 60

ggatgcccca cattatttcc atgacacaaa tgcaaaaatg atgatttgga aattttatgc 120

aaaactggtc atgcatgcac ctatgcggac actcaagtgt caaattttta tggtcatgtg 180

atgctagggc tcaggattca tttcctctat tttagatcaa cccaatgttt ccaaaatatg 240

ttcttttatc aatttgtgca ttcatccgag tccattttgg gtactcggga aaattttcac 300

agcattcacc cttcatgtgt gcacacat 328

<210> 16108
<211> 426
<212> DNA
<213> Glycine max

<400> 16108

taagataact tactggagaa gcttgtgtga gacaacttcg ttgattagct cgagtttagc 60

tacgcacacc catctaaaaa ctaaactcac ctccttgaga agctagagct tagctacaca 120

cccctataat agctaagctc accccatgac aaaaaggaca tgaaaatacg aaaaatatcc 180

tactacaaag actactcgaa atgccctgaa atacaaggct aaacccctat actactagaa 240

tggccaaaat acaaggccca aaagaagaaa acaacctatt ctactattta caaagaagag 300

tggacccaac cttggcccat gggctcaaaa atctaccgta aggttcatga gaaccctaag 360

gccttcttta tcaactctag cccaatgctc ttggagcctc ttgctcatgg ctctggtaac 420

tggtcc 426

<210> 16109
<211> 384
<212> DNA
<213> Glycine max

<400> 16109

attttccaaa ttattgtacc aaactaccgc ggctccggcc aagctatctt gaaaaaagtg 60

tattaatagc ttctcatcct tagagtgtgc gcccatcttg cgatagtaca tcttgagatg 120

gtttttggga caagttgtcc ctttatactt gtcgaagtcc ggtactttga acttcggggg 180

gataacaaca tcgggtacta agcaaagatc tgtcatgtct gcgaacgaat agtccccaaa 240

tccttccacg gctctcaatc tctcctcgag gagattgagc ttactccttt cttcagatgc 300

tgtgggcgga ccttccgtgg acaaaactat tggttgtgtc gtgattgtcg caacctaccc 360

ttcggtggga gggcgacacg tgac 384

<210> 16110
<211> 401
<212> DNA
<213> Glycine max

<400> 16110

atgcagctga gttggtcgct acctcatgct cttctctaat gactatagca taattgctgg 60

cgctaaaccg ctgagagtcg gaagccatct tctcgatgga atatctggct ccagcaggag 120

tcatgtctac aaaggctaca ccactggcat catatatcat acttctgtcc atattactga 180

gtccttcata aaaatattat agaagaagct gctccgaaat ctgatggtga aggcaactgg 240

cacatagatg tttaaatctc tctcactact catacaggct ctctccactg agttgtctaa 300

tacctgagat atccttcctg atggctagag tcctagaagc acggaaatat ttttctaaga 360

atactctctt aaagtcatcc cagctcgtga tggaccatgg a 401

<210> 16111
<211> 389

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16111

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ctgctctttc ctttctaacc attcttctaa ccgccgccca tttcactccc ctccctaacc 120

cccttatgtt gtatgtgata atctttatta ttcaggcttc ctgttaccca acttattggc 180

atcctccttg tccctcagct ccatcttcgt aaattgtgac caccattgca tctcctccct 240

cacatgtaac tcccaaattc tgcgccatct cccattgtgc tgaggcttcc tttgtattct 300

cacttgtgtg gtggctatct ttttgcaaat ggggctgagt tataatctgc acttcatctg 360

gtgttattat tcattcctgt tcttctaac 389

<210> 16112
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16112

ggaggaaaag aaagagttaa aggaggagca cttaattgaa ggaatgaaag agggagagaa 60

gtggaacttt gaagtgtgtc tcataagact ttcattcatg aaagttacaa caagtgttac 120

agacgttata gcctaggtag cttcttgaga aacatccttg agaatcttcc ttgagaagct 180

ttcttgagaa acttccttga gaaatttctt tgagaagctt ccttgataag ctagagctta 240

actacacaca cccctctaat aactaagctc acctccttga gaaactttct tgaaaagctt 300

ccttgagaag attcctagag aagctagagc ttagctacac acacctctct aataactaag 360

ctcacctcct tganatgaga agctagagct tagctctttg tatcaagtga ccacagaata 420

<210> 16113
<211> 386
<212> DNA
<213> Glycine max

<400> 16113

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ttgtatctaa acaggcttat aatatgctta aattaataca gataaaatca taaatccatg 120

catatatgat atatccttcc ctttgtacta ttcttctatc tagggtttta ttatcatgga 180

aagaaagaca tagacttgtt agccttgaag gttataatac ttcttgagtt ttttgtagca 240

tgaactagtt aacatatgtt gatgcttctt ttcagataag tgtaggattg gatcagggcc 300

tcagaatgag tggtatttct tcagccataa ggacaagaaa tacccaacag gaaccagaac 360

aaatcgagca actacagctg gttttt 386

<210> 16114
<211> 420
<212> DNA
<213> Glycine max

<400> 16114

gctggacccg ggatcctcta agtcacctgc ggctgcagct taaactagta tgtggtaatt 60

gatgtgtggg agtgttagtt atatattatt ggagcttgga ggtttgtttg gtagaccgga 120

gtggagagtt taacatttaa ctaaggacaa cgaatttcaa tactcatgta atatagtagt 180

atttggtgtg ttatcattat ttttcgataa tcggatattt cttaagcaca ctaggtaggt 240

tttaagacta aagataccta gcgcacataa aaatgcatgc gagtcttagt gattatgata 300

tgcttttgat gcacgagatt tgattctttg ttcattatgc atcccttaat caaacacgct 360

tcctcaacac ctgacataaa gcactcttgt ccgttggttt attaaactgc aacatggtac 420

<210> 16115
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16115

taacaaanat ggtggaggga gtcctaccac acggtttgcc aatctctcga attctgttaa 60

gtagtcatta acagaaccgc gttgcacaag cttgaataga gctcccttgg gatcgtcata 120

gaatgttgga gcaaaccgcg attccaaggc ttgaagaaac ccttgccatg atgttatgaa 180

gccattgctg aacatccact ggtaccagct gagggcggcg tcgtcaaggt aaagtgaggc 240

tacggtgatt ctctcttcct cttacgtgtt ctgatttgaa agagttggtt aattttgaag 300

atccatccaa gaggatcgcg accgtcaaag cgcgggatat cgagcttaac ggagttacgg 360

tggtttctcg agctgtttga ggaaggttgg ttctggtgtg catcacgcat cctgaggtgg 420

tccaagatcg aatccaccct 440

<210> 16116
<211> 379
<212> DNA
<213> Glycine max

<400> 16116

atcttgaggg attagtaggt taaacttaaa tagcttgtta agcatatcat tatatggaat 60

ttgctcaggc catttgttcc tgaaattgtc aaagtcctta taggtagtgt attcggaagg 120

atgtgtatat gtttgtatat agatgttgtc ttcaactgca ccttgcaaaa gtggcctgaa 180

acatagccgg ttttgaacct taacaaatga tcattgcaat cctataatgt tgtttgtgaa 240

ttcactctga ttttcgtatg ttaatggaga acctatgtgt tttagaagaa acttttgttg 300

attctgaagc actgaggttg gaaaaggcta ttatattgca actaggaaag gttggtgctc 360

ctgagttatt caatgttta 379

<210> 16117
<211> 415
<212> DNA
<213> Glycine max

<400> 16117

tgcgctgagt tgatccatac atcgcgctct ctcctcatga cgataactta tatgctggcg 60

ctttgacgct ataaaacctt atattaaaaa atggtgctag attcaatccc atgtttttgc 120

tataatgaca aactctattg atctatactc tgacacccta tcatggagga aatataatga 180

aagcatgagg gaacgtttat gctatgcatg acacaaatgc actttacaga cacaagagcc 240

aggaagatcg tgtcttctta ctcacaagca ttgggcctca tagttcattc acagtcatta 300

ccatggtgcc ccatgcatgc atttaagaag gtgattggac cttccgattt cccgtgacaa 360

aatgacaaga caaatgcaag gcatgagtga tgacacagta tggatataca tgcat 415

<210> 16118
<211> 361
<212> DNA
<213> Glycine max

<400> 16118

ttcttggtgt tggatgtttt ttttataaaa aatgtccgac aacggttaga ttcttttgac 60

aaaaacgcct tactctttta tctctcagat ttatagcacc tgtgaacttt gactggattg 120

agaatttggc taggtcttgt tggacgagta acgtgtgaca ttgagcctag attataataa 180

atggaaacca agtagcttcc tgtcaaattc aaactcgttg atgaaaaact atggccacat 240

taattaagac tgtttacaag ggcttttgat ttttagaagc tgatagttga agttgttaag 300

agaatctaag ctcgctcaga ttctgcaaat cctgtgacaa aacaacagca cgaggtgacg 360

a 361

<210> 16119
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16119

tatattgtta ttactgggga ttcagcacac atttatggct tgcgtcggng atagaaagga 60

atcagaatgg atggatagga taatatcaga aggagccatc ccacttcttg aaccagataa 120

ttgttcaaat ggctgggcta cccctcctgg tgatgcattc atggttagag gccctgagta 180

ttttacaaca agggttaagg ttccagctgg tgattatatg ctcaaacctc tcggttttga 240

ttggattaaa agttcagtga aaattgcgga gatattaaag gatccaaata gtcgagttag 300

gaatgccatt gataacgagt ttccagaagg tgataaaccc tttgtgtggg ccttcaatct 360

tcaagtccca accaaggata actatagtgc cattgcatat tttacaacca aagagtcagt 420

tcttg 425

<210> 16120
<211> 370
<212> DNA
<213> Glycine max

<400> 16120

aggaagtgtg cgaaggagaa acttcctgcc tctattgatg accacagaga ggtacctgga 60

gatatgtcgc gggggtcacg agaccttggg gacgtccagt ggggtgctat tgcccaaaac 120

caagcttgtc caatcccgac ccagcccgga catagtcgga cagagagaac ctgtgatgta 180

cctaatcagg cgagctcctg gctgacaaca tatatgagga acaaatacct caaagcaagg 240

aggcttgtgg tggctggcca gcgtgtgaaa cttgattgag atgtgagata tgggcgtctg 300

gcaatcgact accaggggcg aggtatcgat tacgaggctt aataatgagg acaggaagcc 360

tagatggtct 370

<210> 16121
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16121

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gaanatttag tggtgagggt ttgntaaggg ggagttatga agggggggaga ttatggtagt 120

gaggatataa aaagaataaa agatgaaaga gnaatgaggt tagaggtggg tggttagatg 180

tgaattttgg taatatgagg aaggggggaat atggtaatat aatattaggt tgaaaattga 240

ggataggagg ttaagatggt ttatggtaat agattaaata ggggtgtaat atattaagag 300

gtttgaaaat aaagtaagga aatttaagga gggtgtggta atagattaag agggtgtgtg 360

aatgattaaa aagatgaatg ggttagtggt aattgattat aatggatgtg taattgaata 420

gagaatgtat tattggatat ttgatgtgta gaaggtatga aaatt 465

<210> 16122
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16122

atgaacctga ttgctgcatg cagaccnngg cgcaatngca ctcggaaccg ggatgctata 60

gaggcgacta ggcaggcatg ctattcttat tcccgaggag caggttaatt atatgatgca 120

acaacgctcg cgaaaagact gagctcacta taaaggcgca atcatttcgt atggagcatt 180

ttcttgagca agttaccctg gcctggagct caaactacat tggtgagacc caacgagggt 240

actccgcctg agcccacctg tgcgggttga tacccagcca actaacccac aatctctatt 300

ggtaaagcca ctatcttctc ttgagcgtga aatacgtccc ccatcttcac ctctgattat 360

caattccgat gcaacattgt gatgaaacac cagaccactc tgattcacca aaaggagaaa 420

cagctgaact tcctactttc ctagtaggag gaaattctga ttcgacatct ggagaact 478

<210> 16123
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16123

acaanaaact cagcttcagt gctcataact tttattgctg caattttgca acaggggagg 60

tgatctggga atacataacc caaactctgc aaaggtgtag atttctgatt catggcaagc 120

tgagcactag gtagaccacg catacgtttt ccttcaagct tttattttca tagatgaaat 180

gaatgcgtgg ccacctcatg gactctctaa gacaatacat catttcttgc ctgaattgaa 240

ggagatggaa gccatttcta atcaaattcc tagcctaacg gggtcatatc accaaagctc 300

accctggaga taatcatact ctctcatatg ctagtcctca ta 342

<210> 16124
<211> 375
<212> DNA
<213> Glycine max

<400> 16124

atcttattga ggcacttaat gttttgcgtg agtgttttaa tccaatcact tatgctttct 60

tctggagaga tataatataa tttctgatgt tgtttaattt tcagtagagg ttcataactc 120

aattgtttga actttgtggt ttttacactg tgattttaga gagggagggg gaaatgattt 180

ctgttgccac tttaagaatt tttggcaaga gggttgctga aatacccttt gtggctacca 240

cggtgcagtg taaaaagatt gtgtgacatt ttaatgaatg agattgagaa gcagttgact 300

tacttggaag tacaggagaa tgttctgcct tgaagtttga cagttatgaa aaaggacacc 360

aacctgaatt tctca 375

<210> 16125
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16125

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atctgacatg ccgcttcagc ttctcacact ggataactgt cgcagggtgc catgatccta 120

gaaatcccaa atccacactc ctcacctgca aaattccaaa actttccaaa tttcaaaaga 180

atcccagata aaaaaaaaat cactcactca tgctccctac taccaaagca agtgatcaca 240

agagaaaaat ccaaactttg caaaccaaaa acgacaccgt gttatggtag cctaaaaata 300

gagcgacaaa tcaaaaaaca ctttcacttt gcatgcaggg tggcgaanaa gggaattgaa 360

taacgaaaac gacaatgtca tangtaatgt gcctaaaaaa ctatgaaacg acataagacc 420

caatc 425

<210> 16126
<211> 352
<212> DNA
<213> Glycine max

<400> 16126

ataacacgca caacctgcaa gagatggctc ataacaggcc aatcataact atggagcaat 60

ttcttgagca aggagcctgg ccggaagcgc aacttccatt ggtgagaccc aacgaggcta 120

ctccgcctga gcccacctga gcaagatgaa ccagagccaa ctaacccaca atctctagag 180

ggaaatccac tatcttctct tgagcgtgaa agagatcccc catctccacc tctgaatatc 240

atcaccgatg catcatctga tgaagcagct gcccctcctg atccaccaaa aggagaaaca 300

ggtgaccttc ctacttccct agtgggaaga atttctgatt cgtcatctgg ag 352

<210> 16127
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16127

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gtcttatatg tcatcaagaa aggaaactct tttccatctt ttttgtgatt gtatggatac 120

taagttgatg tggcaatttt ttattcgagt ataaggttca atacaacatc aattctttca 180

taaccaattg tcgcaaccta ccctttgcg ggtgtcgcaa catgcccttt tgcgggcgag 240

cgaaggcgag gctcacgggt gcgctttcca aaggaggaaa gatgcgcgga gtcgccacca 300

acgtttattt gtgggaaacg tcggaaaaac cgaaggaaac cggtcgaaat gaaaattcta 360

agttcgggag ttgtatttac gtttcaagaa ggtattagca cctcttacgt ttgtct 416

<210> 16128
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16128

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aacatattta aaaccaaaac ttaatccgca aatccctctt gtaagactaa gtttcaattc 120

tgcttcattc aagttctaag gcaacaatac attttccaat gttaaaatca cctaactagg 180

cacacaaatg gttgatcaga ccaagggcat acaaaattta agctctgaaa gaagcattga 240

acacaagaaa cacaatcaat tagatattaa aataattaca ttagttgctc attagaaatc 300

cccaacaagg gtgtttagcc aacaattaca aaagaaaccc taacaataat gagcttacaa 360

agcctaggta tctctacaaa agctactcat ct 392

<210> 16129
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16129

cccatggaag ctcctaatat ctcccacact ttatggggag ggtcattctt ggatggcctt 60

gattttctta gggtccactt ggaccccatt tctaccaact aaaaacccta agaaaactat 120

attatctaca caaaaggtac acttctctat atttgcatag agggtgtttt tcctaaggac 180

tgaaagaact tgcctgagat gtcctaagtg atcatctagg atcctactat atactaaatt 240

atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat gatgcataag 300

cctcataaag gtgcttggag cattagtggg cccaaaagca tcactagccc ttcatacaaa 360

ccaaacttgg tcttgaaagc ggntntccac tcatcaccct ctttcattcc taattggtga 420

taaccacttt ta 432

<210> 16130
<211> 391
<212> DNA
<213> Glycine max

<400> 16130

tgtttttaaa atttaaattc aaatttctaa aagttgctac atatagttta aacttctggt 60

aatcaattac ataccttgtg taatcgatta caggctttta aattcaaatt caaaattttc 120

aaattgtttc ataaatcaat ttagccactg gtaaccgatt accagagagg aaatatcata 180

tttttgagaa gataattgtt cttaaaaaac ttttgtaaaa tattttcttt agccaaacct 240

aggtagcatc aattaaggaa ttctttctaa gatcctaact aagtacatcg ttcttcttgc 300

atttctgaat tcttgacttg aatcgcgctc atctttggca tcatcaaaac ttcatatcat 360

atatgcttct acaacatcaa atagtgcact t 391

<210> 16131
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16131

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agaacccaaa atcttattta agaacaacaa agctctttgc catttagacc agaaaggagt 120

tggtcgttaa gatgtattgt ttaaggaact gctttccatt tcagtaataa tttcatctta 180

ttttcgcttc aaatcctatt tacaaatatt tgttagttaa taaggaagaa aaaaaatatg 240

gaaacagaat attctttaaa acatagaaaa gaaacataat ctgaaaagat acatagtgaa 300

attagaaaaa taaaaaataa attgataggt agacagagca aaatgcagcc ttaaaattca 360

tcataagaga aaacaataaa ctaacttcag ataattntca aatgcctatt aaatttagaa 420

ttataatata tgcatgcaaa g 441

<210> 16132
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16132

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taaaattgtg gaggtttgac cgagttatgt tcaattntcc tcatgtcagc tttcatggga 120

aggaaaataa cacattacta attaagtgag ttttcttgta agattcagtt agaagactaa 180

ttaatgtggc accctctacc ccgacataca tatagtgaaa ggaaacatag aatagtggga 240

gtaacttaaa aagatttact tcacaattca atataaaact tctcaacgga gtaaaggttc 300

acattcaccc attaaccaag ttaaaactta tcggtaagaa tataaaaaca tgtttcggct 360

ccaaacaaag accataccgg tattataact a 391

<210> 16133
<211> 435
<212> DNA
<213> Glycine max

<400> 16133

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agactaactc aaactaagct tcatcctcat atccctctta ttggactaga cttagcttac 120

atagcttacg aaagtttaga ctaatttagc ctaagctttg tcctcagatc cctcttgttg 180

gactagactt agaccaaaca gcattattgt aacaacatac ttaataccaa aacttaatcc 240

gtagatccct cttgtgagac taagttgcaa ttctacttca ttcaagatct aaggtaacga 300

tacatttctc aatgctgaaa tcacctaact acgcacacaa atggttgatc agaccatgaa 360

catacacaat gtaagcactg aaagaagcat tgaacacaag agacaccttc aattagatat 420

taaacgtatt acatc 435

<210> 16134
<211> 388
<212> DNA
<213> Glycine max

<400> 16134

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tttacgtcat gcagataagc ttctcaatcc tttttcctat ttttttttcct gtctttttttg 120

ttgggttgta tgtaacaaaa actattattc gtgattatat atttatatat ttattgcaat 180

gtgttatcta atatatctaa tgtaaaggag tagtatatgg agaaaagatg tagatttgac 240

cgctatgata gagagaaaac aaataaaaaa ctctctctgg tatttttga ttattataaa 300

gatttgggac ttgaaaaaaa atctaaacac aaaataacat gtagatttga ttgctttgag 360

agagagaata aaataacaaa ctctgtct 388

<210> 16135
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16135

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tgttttacta attcatgttt acaacaattc attcaaaatt tcaaataaat attaaattaa 120

aatgtgctaa atacttagtt ttctaaaatg atgttttgct aatttatgtt tacaacaatc 180

catttccctc caaccaaaca cactttaaac aataaacatt agtgttgtgt agcagaaact 240

ttccaataga aaggagaagg atgcaagtaa gtgaatgaaa ttttagggac cagaacatat 300

gacatccccc aaatattgaa aagaaaaatg caaaagaaat ccatgattcc atgctcagtg 360

gaaaaactta naggaaagca tccacactca aaagattcat cggaagacat ttgaaaccct 420

tgtaaataaa agc 433

<210> 16136
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16136

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aaggaacctt tcaaagaaaa acatccgatt gatttttttg attattttat tattactttt 120

ttttagatat tttgattatt ttattattat tttgtttgaa gatattttga ttatttttt 180

attatttttt tgaagatatt ttgattattt tattattatt ttgatttttt ttatttaacc 240

gaagttacaa cgtgaacgat cggatggatt ttattttaat agtgattaaa cgagattaca 300

acacaaatga tctttaaaat tcattttatc aattattagg cgagataacg gcttaattaa 360

acggtaaaaa gctcgttaaa ag 382

<210> 16137
<211> 442
<212> DNA
<213> Glycine max

<400> 16137

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gttcaagcat gactttcttt ctgcttttgt tggcttgcct tgcatagctc gcatttttct 120

tttcaatttg agccttcact tgctcatgca acttcttcac atactcagct ttagcctgtg 180

catccttatg cttaaacata gcaatgttag gcataggcaa caaatcaaga ggagtcaaag 240

gattaaatcc atacactatc tcaaatggtg aacaattagt tgtgctatgg acagcccgat 300

tataagcaaa ctcaacatga ggcaaacagg cttcccaaga tttaagattt ttctttaaaa 360

caatcctaag cagtgtgcct aaagtcctat tgactacctc agtttgacca tcaatttgtg 420

ggtgacaagt agtagaaaac aa 442

<210> 16138
<211> 272
<212> DNA
<213> Glycine max

<400> 16138

gatctatagc ctcagatccc gctcgatgga gacgacttaa accacactgc attattgtga 60

cgacatattt aacaacctga cttaatcctg agatgcctct tgtaggactg agcttaaatt 120

gtgcttcatt caagctctaa ggcaactata cattttccaa tggtaacatc gcctaactcg 180

ggacactaat gggtgatcga acaagggcct acaaagatta agctctgaag gaagcattgg 240

acacaagaaa cacagacgac tagatattaa aa 272

<210> 16139
<211> 75
<212> DNA
<213> Glycine max

<400> 16139

ccggaaagag aactgcatta cacctgagaa gaaatgttct gtcatggtca ctcggacatg 60

catcttcaaa aggcc 75

<210> 16140
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16140

ttcttgtctt aaacactaca ttctttgtcc tactaagcca ttgttggctc taaacaaatc 60

aataagattt gttggaagat tatgcactga ctaaatatgt gatcgtctta tagacaaata 120

tatcacttaa cacttttagt cttttctttc aaggtataca aggtgttttt gagagcttag 180

taactataca agaattttaa aaaaacttta taagaaagaa tgaaagaata aggtcacaca 240

gatgattcgg gtattgtttc ttcanagctt cttttatata tagccttcat ctccaagtac 300

ctgttggtgc atgtaatgct tgcattaaat gcacatctga tcgcaaccgg caagtgtacc 360

ggatcgcaca agtagt 376

<210> 16141
<211> 413
<212> DNA
<213> Glycine max

<400> 16141

tgcagatttg gccttcgcca gtgaaaggat caatgtgggt ccgaaaagag gcaaatttga 60

tcatcctact aggacgactg aaaaaactgg ggcaaataaa gagggtgagg atgaaggaga 120

aacccatgct gtgattgcca ttcctgtacg gccaagtttc ccaccaaacc caacaatgtc 180

attactcagt caataacaaa cttcctcctt acccaccacc cagttatcca caaaggccat 240

ccctaaatca accacaaagc ctgtctatcg cacttccaat gacgaacacc acctttagca 300

caaaccaaaa acaccaacca agaagtgaat tgtgcagcga gaaagcctgt agaattcacc 360

ccaattccag tatcctatgc tgacttgctc ccatatctac ttgataattc aat 413

<210> 16142
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16142

cggtacctcg gngaatcctc tataagtcga ctctgcattg catgcaagtc ttcataaact 60

ttatacaacg aatgacagct ctgatatcac tatgttacac acagtggcct cagatatcga 120

taagaagggg gggttgaatt aagatatcaa agactttcct caattaaatt tttaattctc 180

ctttttaaaa ttttcaatgt acctttatta tgaattacta aaaagacaat tcaaaataaa 240

cttctttaat gcaaaagaaa aataacaata actaaaagaa gtttaaggga aaagaaagtg 300

caaactcagt ttatactggt tcggccacac tctgtgccta tgtccagccc ccaagcaacc 360

cgcttgagat ttccactatc ttgtaaaatt ccttttacaa tgtctgaacc aaggacaacc 420

cttccttttgt gttca 435

<210> 16143
<211> 425
<212> DNA
<213> Glycine max

<400> 16143

tgcctaatta acctgaaatt gagagagaat gattattaaa cacacagaat gaaaatacta 60

aggatttatt acctatactt aacagaaaat acttataacc ttacaaaata gccataaatt 120

aagagagttt gatacagttg atacgagttt tatacacaaa agttagtcat tttcaccgac 180

taacaactcc cccaaattta cagttttgct tgtcctgaag caaaaagaga acaactcact 240

tgtgctcaag tgacaatgac atgcggtgat tatgtacgaa ggtgtatgct acaaagtgac 300

tgattgcatg ataagagaat ggagtataat gccctcatca cttgtcattc acaaggtatg 360

cagttatcca aagagaagaa taaaatgtga cctgaacaga tagatgaggt taggcatatg 420

acaga 425

<210> 16144
<211> 380
<212> DNA
<213> Glycine max

<400> 16144

ttcttgttga taattagctg cgacaacttt gtaaggtatt gcatactttg tcgtaggagc 60

ccacgtgcgg tgcttttggc ggttgacgca aacctcatct catgaataat tctactagta 120

atttcgatat gtcgcagtat tcaaagagat acgttattct ttttatacaa tgcaatattg 180

aatattagtg tttagtagca ctatgtttta ttctttttag acaatgcaat gtgaagtgaa 240

attgtgattg aatattagtg tttagtagca ctacgtttta acacgttaca ttgtcacgtg 300

tgttctagta agagatgtta tcttaagatt ataatgaagc aagatttttc gtcgctaact 360

tttactttat ctacatgcat 380

<210> 16145
<211> 307
<212> DNA
<213> Glycine max

<400> 16145

ccaactgatc atatccctct ttctttggta cagtgttaac tctttaactg caccttggc 60

gtatgtagac gatatagctc taatatgaca tgacattatg gctatcaaac gtactaccat 120

attactggac caaaccgaca agatgaaaga tcatggcgct tataaaatta ttccttcgca 180

tcgaggacgc ttgttcccaa caaagcatcc atctatgtca taagaaactt tgcctagata 240

tgctctctga ttcaggaatg cctgcatgac gcccagcatg cacacccatg gattggacta 300

ctcgtcc 307

<210> 16146
<211> 348
<212> DNA
<213> Glycine max

<400> 16146

ttcttcttat ccaaggcaca ttcttggtgg tgaagcttct tcttgcatgg cttattccct 60

agtggatgtc gcctcctctc acctcttctc ctttatcttc cactgcatct ccatggtgga 120

aaatcaccat tgaaggacct cattgaagct caaagatcca gcctccatag aagccccaca 180

agcaagcttc cattataagg gggcacatta cttctcaatg ccccaccaag aaaaccatga 240

ttatgagggg ccaagacatt gatagtagcc aagatgaggc tactactata ccctcctcta 300

gtggaagtga agaagccaat gggacagaat ctagggaaga tatctacc 348

<210> 16147

<211> 425
<212> DNA
<213> Glycine max

<400> 16147

tgatcaaaac aattatctat tcattcaaat ccactcaaat catacaattt cttattcaaa 60

tcattctcaa acacacattt catacaaaac aatccactgc atatcatttt caaccaattc 120

actgttcaaa caagcttttt gtacaagcaa acaactcaaa gtactaaaat ttaaagaact 180

gaaacataaa aactgaaatt taaatgattg aacataaatc atataataac taaaaataaa 240

ctaaaatgtt caaaatgcac aaatttaaat gtcctgctcc tgtgcatgct cattgagatc 300

caacacctga gcagttggtg aatcgtgaga gataggctgc tctaactcag atgtggatgc 360

agatggtatg acatcatcag gtgtgggtgc tggggatcgc tctgggatct agtttgtgga 420

agtct 425

<210> 16148
<211> 354
<212> DNA
<213> Glycine max

<400> 16148

ttcttgcctt ggtttagaca tgattgatac atgatttggg acttgtagga ttcaatttgg 60

gcaaaattgg atgagggaaa gtgtgatttc gaaaatctgc actttatgca gaattttgct 120

gtcaaatagg tgcagcagaa ttttggcttt gtgcagaaag tgttgtgtat ttgctggctg 180

tggaaagagt agtacagatt tggttctgga cgttttctag cagatcccaa cggtcataat 240

gtagatttat gtgctagaga cttccagtaa aattttcgag tcaatccaac ggttaacgaa 300

ttggaacgaa gagaatatta ctggggtatt tgagtgtgaa aagctgtgat gttg 354

<210> 16149
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16149

ntgaggattt ggtctttgcc agtgaaagga tcattgtggg tctgaaaaaa ggcaaattta 60

gtcatcctgc ttggacgaat gagaaaactg gggcaaatga agagggtgag aaagagggag 120

aaacccatgc tgtgactgat attcctatac ggccaagttt cccaccaacc caaaaatgtc 180

attactcagc caataacaaa cctccttacc caccacccag ttatccacaa aggccatccc 240

taaatcaacc acaaagcctg tctaccgcac ttccaatgac gaagaccacc tttagcacaa 300

accaaaaaaa acaccaacca agaaatgaat tntgcagcga aaagcctgta ggattcaccc 360

cacattccag tgtcatatgc taactcgctc ccatatctac 400

<210> 16150
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16150

ttcttgaacg ttnttgggaa ctttttttta gagacaacgg atgttaacaa ttaaaaaata 60

aataaaagcg ttctgcatga catattttgg gatttaaaat attgcttgtg aacaaatttt 120

gttgcatttt ccttatattt tgttctcaag caataattat ttgtgtaacc aagttgttga 180

tatgatttag gtttaattac tcatttagtt tttatagttt ccaaactttt atatgttaat 240

ccctatagat aataagtgac tttttcagtc tttgtagttt accattccga taagttctta 300

ccgttaaaat tgtttaacat cgttaaatta ttgttgccgg tcattctttc ccagagctcc 360

ctctcttccg agag 374

<210> 16151
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16151

tgagaggttg gattntaggg taatgttcct aattatacat tgagcatttt gtttataatc 60

tccatccttc tttttaatgt tggaacaata gcatttgtag acatacctga tttgtccttt 120

tgaatatcaa gaattcagat atttaacttg agtatttata tttagttgaa tagctgagct 180

ttcagtttgt atatgaatat tcatggttac ataactttct atcgattatc aaattctaat 240

ttaaaaattg ctctctatca ggcctttcat gccctcacat tgaagtgaaa ttntctcctt 300

ttatcagtca attgcactta ctgatggaag ttcctctgta tctgtctccc aatattctca 360

aactgtggat acctgttaac catgtgcagg tagcatcaag tgtttttctg ga 412

<210> 16152
<211> 383
<212> DNA
<213> Glycine max

<400> 16152

atcttatctt tatctctacc aacaaaaaaa aaaaacccag agtaaatggg acaaaatctg 60

attaatcaga ctttctaaca ttagatatca atattaatat tatatatagt taaataatac 120

aaatataatg ttaaattaac gtatattgtt taacatattt taaaataaac aaattcattc 180

taaacataat acataattgc ttaagagaat attaacgcta aatcatgtta ggacaatcca 240

aaccacaacg tgaacaatgt tacaaaatgt atcatgttca tttctaatat tcaaacctat 300

gcaaattaac taagttggat tgaatcaagg tgtgcttgaa ttattggtgg gaaaatacaa 360

aaacatattt gagaataaaa tca 383

<210> 16153
<211> 431
<212> DNA
<213> Glycine max

<400> 16153

aagcttttgg catggttttg ttcatatata tttctcctaa tattgtgatt atattatttt 60

aaatattaag ctactaccga ttgcaaacat cctgcggact aaagtgccga aatgtatggt 120

ggcagcgagg cactactttg agttgttccc atgtgcctaa cttcaacata taacctctgt 180

cttgctttct ttatgctgct gttaatgtca aattgtttaa atttaaatgt gcaagctgct 240

taagcagtac taagttagtc gatgctgtca tgtaaaaata tctaacgggc ttttactcat 300

ttaacttgaa agtatagcag aatttgagct ttgcattagt ggacatgcgg gatttaaaca 360

gcagattgac gacatatttg tggaaatatg ttagataata atctatttga ttcttggcac 420

tttcagtctt a 431

<210> 16154
<211> 391
<212> DNA
<213> Glycine max

<400> 16154

agcttctata tattgttcgt tcctaatttc tctacaattg catcacctct caatgagctg 60

gtgaagaaga atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttctaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240

attgcttatt ttagtgaaaa actacatagt gccaccctca actaccccac ctatgataaa 300

gagctttatg ccttaataag agccctccaa acttgggaac attaccttgt ttccaaggaa 360

tttgtcattc atagtgatca tcaatcactt a 391

<210> 16155
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16155

tctccttcca tggtttattc cctagtggat ggcgcttcct ctaacctctt ctactttatc 60

ttccgctgca tctccatggt ggaaaatccc cattgaagta cctcattgaa gctcaaagat 120

ccagtctcca taaaatcttc tcaagcaagc ttccatcaag tggtaatcag agcataagag 180

cttcaagtag gtgctcctta aacctccatt aacctccatt gttgtttctt catttttctc 240

catgtatttc ctcacatgtc ttgtgttgaa tgtttttaac atgattcttt agaattttca 300

ccggttaaac ttgttataaa agttagattt gatttcctat ggttcaaatt tcttgttctt 360

gttcttgaac catgaattgt gttaactnta ggttcctttg agttctgtct tgctatttt 420

ttgtggctga aact 434

<210> 16156
<211> 344
<212> DNA
<213> Glycine max

<400> 16156

atcttgggtc tgggttatag caccccacct gacgtcccca aggtctactg acccccgcga 60

catatctcca ggtaccactc tgtggtcaac agataaaagc atgaagttac acccttgaac 120

actgactcat ctcaagcttg taggattatg gggtacccat cacatgtggt actatgtggc 180

ggccgggcga tggtgcacaa caagttttac acatccacag tgcgcgcata aacccaccat 240

cctctgttgc ccacctccaa cagagctcac gtactcccac gtagcctgat atcctcgctt 300

ctctcaacac cgggaccgca tcaatccttc caagcttgca caac 344

<210> 16157
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16157

ntgatttcct ttgttccgga naccttttctt ttctcatgtg cacccaaacc caatctccgg 60

gttcgaagac aaccttcttt ctccctttga tggcttgttt agcatagctt ttacttttcc 120

tctcaatttg atctttgact ctataatgaa gcttcttcac atagtccgcc tttgcttgac 180

cttctttatg cttaaaaaca gaaacattag gcataggcaa aagatcaaga ggagttagtg 240

gattaaaacc ataaacaact tcaaggttta agaaagaaga atcatcggat gacgccgatc 300

gaacatttcc taatagacat catccaaata ttattcaggg attgaataga agatacaata 360

gccgacatcg gccgttgtaa atcagcgact gatatttttc agccgacgtt gcgcaatttc 420

ttttacaaac gt 432

<210> 16158
<211> 388
<212> DNA
<213> Glycine max

<400> 16158

agcttccttc tacacctgaa aaagaggatg agataggtgc acaaaagaga aagcttccta 60

acaaaattat tcatgtaggt ggaccctctt cttgtaattc tgacttacag aagccttcta 120

tgcctcttgc attcccacct agagtaattc caaacaaaag gatggaagaa gtggaaaaag 180

agatcttgga gacctttaag agagtagagg tgaccatatc tctgctagat gccatcaagc 240

agattccaag atatgccaag tttttaaagg agttgtgcac ccacaaaaga gagctcaaag 300

gagatgaaag gattagcatg ggcagaaatg tgtcagcatt gataggtaaa tatgttcctc 360

acattcctaa gaaatgtaag gacccatg 388

<210> 16159
<211> 442
<212> DNA
<213> Glycine max

<400> 16159

gcttgaaagc agagctcaca aagacaagag tggtgaatga gaagttggaa actacaatca 60

ctagggtcag gaaagattgt gatgagctga aagacatcaa catgaccaca gtcaaagcat 120

tagagcgaga aacaaaaaga gccagacggg aagaatgagg taggaacaag tttcgagggg 180

ctttgtgggg tagcaataac aagctcaaac ttagaagggc cgagagggac aaattgttcg 240

ccctcactca cggatcactt cttactcttt tcttttcttt tcaaaacacg aaaatggggt 300

tgtgtgtgtt accggtaagc agaccagatc gtcaagtatt ttaaattaaa atggagtgat 360

ccgagtattg aacacaggga acttgtggat tagacacaag tttgttcagg aatcaggcat 420

tgtgtaaaca aacattgata ct 442

<210> 16160
<211> 387
<212> DNA
<213> Glycine max

<400> 16160

ttcttattca ttcaatccaa taatagattc tttctgactc gagtagaaat tcatcataaa 60

aaaaggaaac cataaaaaat accaagcaaa gcataattga gaaacaatga cactaaacaa 120

gtgtgaacgg agtttgcttt tgtctagaga ggcagcaacc ctgagcttct ttgaggaaca 180

acatagatat acacaaacaa tgtcaaaatt ccaacccaca aggccaaagt gataatagca 240

acagtgaatg agatgatgat caaagccaga aatgaagcag cacctccaac aataagcatg 300

gcacaagtta tcaaaggaag aagatttatg ttatgtttct gaagtattgt ttcaatgatc 360

accaagaagg agtatacgac aatgctc 387

<210> 16161
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16161

cttgaatctt tcgggtgaac tcgaaggggg ttcaatgtcc attgtcaaat atttgcttaa 60

acaagacaac cccagaagca atttaacaag acagcactat taagacagtt tttttgtcac 120

aatgatgaga aagtcacaag gaacaaacaa ccccttcctc ttcaacaacc aagcacaaat 180

ttgatgactt tttgcagtat attaccatca taccctccct aatattcgta aaccaaatca 240

tccaccaagt gacgtgtttg atttagttta ttgagaaata taataatgca ttgcccactg 300

catctgcatg aatcaattga cgcttaagtt gtttaaggtt aacaagaaat atcgttttga 360

tttctggtta tataaaaata caaataaatg aaagaaaatt nttattggtc tataataatt 420

ttatctgcca acaaaattgt ctct 444

<210> 16162
<211> 379
<212> DNA
<213> Glycine max

<400> 16162

atcttgttta tgacccttac ctttaccttg atgatcatca attaccctat tggcttatta 60

gtatacatat agttaaatag ctccctgaaa ctccttgggg taagatttat cgaatgcctc 120

catttgaatt ttatactcct ttgtctttcg actatcctag cattttatta accttgcttc 180

tttgttttgg ttttagctct ttctaagaag atcccttaag atgctgtaat attaggtaag 240

gaatgaaata acacgaaaca cactaacagg ggggaggagg gtttaatagc gtatatatca 300

aagatataaa cttttgcaat ataaaagtga atatagataa caatatatta aaaataggtc 360

atccactgaa gataaagtt 379

<210> 16163
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16163

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ttgtggactt tttctaagtg tggaattgaa atcctcaatc ccttaccgat tggcatcctc 120

cagctgaagt attaattgtg gcaattgact aattcaacaa atgggttgaa gccgagctgg 180

tagccaggat caccattgaa caagtacata aatttttatg gcaatcaata atgtgcctat 240

ttgggatgct aaaaaccttg atagtagaca atggcacaca gttcaattgc aatagtgtta 300

aagaatttgt gacagccaca atgtaaagtt gatttttgct tcggtggaac accctcaatc 360

aaatggtaag gtagaggtgg ccattaaggt gatactaaag ggttntaaat caaactttca 420

acat 424

<210> 16164
<211> 359
<212> DNA
<213> Glycine max

<400> 16164

ttctttgagc caattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgtg 60

atataacgag acgctcgaaa ttgaatgttg aagctctgag cgaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgaggcccgt aatatatcga gacgctcgaa attgaatgtt 180

gaagctctga gccaattcaa acgacaataa ctttttactc ggatgtctga ttgactctcg 240

tcatatatcg agacgctcga aattgaatgt tgaagctctg agccaattca aacgacaata 300

actttttact cggatgtctg attgaggccc gtaatatatc gagacgctcg aaattgaat 359

<210> 16165
<211> 412
<212> DNA
<213> Glycine max

<400> 16165

taaacattca acttcgagcg tctcgatata ttactagtct caatcaaaca tccgagaaaa 60

aagttattgt cgtttgaatt ggctcagagc ttcaacattc aatttcgagc gtctcgatat 120

atgacaggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tagctcagag 180

cttcaacatt caatttcgag cgtctcgata tatcacggga ctatatcaaa catccgagta 240

aaaagttatt ggcgtttgaa ttggctcaga gcttaaacat tcaatttcga gcgtctcgat 300

atattacgag actcaatcac acatccgaga aaaaagttat tgtcatttgt aattgctcag 360

aggttcaaca ttcaatttcg agcgtctcga tatattacag gactcaatca ga 412

<210> 16166
<211> 388
<212> DNA
<213> Glycine max

<400> 16166

atttatgcat tcttgtcctt aattcaaata atatagtagc caagttggaa taaaatcatt 60

ttatccaagc aaagacacat tatgtgatat gccataagca atgtgtgcat tatgtaaagt 120

ctctccgctt gcaggggcaa ggttgcatac atctacactc cccaaacccc actaggtgaa 180

agcctcatgc atggggtctc atttatgtac agccttaaac cagaaggggt gaaagtttat 240

tttcaaaaaa agacagatag aaccactcac taaaagtaaa caatatatgc tatagaccaa 300

tacacaaaca aaagcacagc ttactcaata acaaaaacat tcatattaga tatgatagac 360

tctaatttcc tttaaaatgt cgcgtgat 388

<210> 16167
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16167

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tgctttgcca tttcatccac aacactgttg gcttctctga ccacatgatt ccaaacctca 120

ttttcatatt gccctgaaaa tctgtgaatc tcttcgacaa gttgatgctg aggatgaccc 180

aaatcacatc tcccatcaag aaggtttata gcctccctag aatccgaatc cacacgaata 240

agtcgaaaag ccgaccatgc aaacttaaga ccaagtaaaa tggctcgaag ctcagcataa 300

agaacactgc ctcctccact tttggcctga aaactgcaaa gcaaggaacc agcanaatcg 360

cggattagcc ctccatagcc cgcaagactg ccaaattgag caacagatgc atcacaattc 420

<210> 16168
<211> 376
<212> DNA
<213> Glycine max

<400> 16168

atcttgtctg tccgatgcag tagtaatgat ggcccgagtt atgttgggga acggttacga 60

acccggaatg ggtttaggga aagacaacgg cggcatgact aacctgataa atgccatagg 120

aaatcgtggg aagtatggtt taggctataa acccactcag gcggatataa agagaagcat 180

cgtgggaaga aagagcggtg gtcaaagctc gcggttgagg caagaaagtg aaggaagccc 240

gccctgccac ataagtagaa gctttataag cgcgggtctg ggagactaag gtcaagtgat 300

cgcgatatac gaagatgatg ttccgagtac attgtatttg gtacgaccat gcccttctga 360

ttaccagctg ggaaac 376

<210> 16169
<211> 422
<212> DNA
<213> Glycine max

<400> 16169

tgcttgtgga gctttgatgg aagctggatc tttgatcttc aatgaggtcc tttaatggtg 60

attttccacc atggagatgc agcgaaagac aaaggagaaa aggtgaaagg aggtgccatc 120

cactaggtaa taagccatgg aagaaggtgc ttcaccacca tgatgagcct tggaaaagaa 180

gcttggaagg atgcttcaat ggagaaaaag aaagagggag agaaagtgag atgggggagc 240

acgaaattga aggaataaaa gagggagaga agtggaactt tgaagtatgt ctcacaagac 300

tctcattcat caaagttaca ataaatgtta cacatgcttc tatttataga ctaggtagct 360

tccttgagaa gctttatata gaaaacttcc ttgagaagct tctttgagaa aacttccttg 420

gg 422

<210> 16170
<211> 389
<212> DNA
<213> Glycine max

<400> 16170

tttcatgcat tcttggcaca atagatcaca ttaagacttg tcagcttagt agattctttg 60

atgtgtgttg ggagagacac aaagttgttc catgatactt ttaagtcttt caagttagga 120

aaattgtaaa taataacgtg aacatctttt tcgaatagat ccatagtttg gaaatgtaat 180

atctctagtt ttgggcaagc tgaatgatag tttccttcca atcttctaaa tgactctcga 240

agtccatgac atcctacgat ttttaatgtg acaaaatttg gcaacactaa caagctacta 300

ggcaaatgtt cgagtcccaa acaaacatcc atgtcaagat agttgataca ctgttaagct 360

aagtgcaggg aaattagagg agtatatgg 389

<210> 16171
<211> 426
<212> DNA
<213> Glycine max

<400> 16171

tatattataa aaataaattg ttaacttata atgattatta ttatgatata acatgtacac 60

atactattat gattaagtcg gttaattaag ttataatttg cactctgcct ttatctcaaa 120

ggagtcaact caaggtttct ttattatcca tttagaatga aacacatata agttatactc 180

gtgagcatgc taggtatcca cttttaaatg aaaaaaaagt atagaggtag attatcaatt 240

actttttta aattatattg aataacttaa ttatttttta tagtataata acttaccata 300

aacaaatatt aaagaagtat ccgtgtctat tctatagtct cttcttagaa aaccataatg 360

gttggctctt tattggaaat aataagtcat gatagaaaat cacataaaag cccatttcct 420

cttttc 426

<210> 16172
<211> 368
<212> DNA
<213> Glycine max

<400> 16172

tcattcttga gatgaggaag tgttgaaggg tgaaacttcc tgcttttatt gttgaccaca 60

gagtggtacc tggagatatg tcgcgggggt caggagacct tggggacgtc aggtggggtg 120

ctattgccca aaaccaagct tgaccaatcc cgacccaacc cgggcatagt cggtcagtga 180

gaacctgtga tgtacctaag caggcgagct cctggcagtc aacagataaa aggaaaacaa 240

gaccacaaag caaggaggct tgtggtggct ggccagctgt gaattttgtg taatatgtgg 300

attgtggcct ctggtaatcg attaccaagg gtgggtaatc gattacaagg cttaaaaatg 360

aagacagg 368

<210> 16173
<211> 418
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16173

tggagaagat gcttcattgg aggaaattta gatggagaga aagagagagg ggggagcacg 60

aaattgaagg aataaaagag gtatagaagt ggaactttga agtatgtctc acaagactct 120

cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc 180

ttgagaagct ttcttgagaa agcttctttg agaaaacttc cttgagaagc tagagcttag 240

ctacacacac ccctctcata actaagctca cctccttgag aagcttcctt aagaagattc 300

ctaaagaagc tagagcttag ctacacatac ctctctaata gctaagctca cctccttgag 360

atgagaagct agagcttagc tacacacccn ctataatagc taagctcacc cncatgac 418

<210> 16174
<211> 373
<212> DNA
<213> Glycine max

<400> 16174

ttcttatcct tatggcctgc ctccggactt caccccccgt gccaccccgg aagatttaag 60

ccaagcccct actttcgagg ggcaactccc accttatgaa gactatcccg ggcaagatga 120

tggggaagga gatacccatc ttggcccccc gctccacctc aaagatctgt ccccacatga 180

actaccccaa ccgaacatag tccgccatac cccggcctca cccacacctt taaaagaatc 240

tgttcccttc gcggaagata agggaaagat tgaggcgctc gaagagaggt taagagcagt 300

cgagggcctt ggcaattacc cattctcgga tttagcggat ttatgtctcg tgcccaatat 360

cgtcattcct ccc 373

<210> 16175
<211> 414
<212> DNA
<213> Glycine max

<400> 16175

tcatgactaa atctaatcaa gaaaataact tatgaatcac tggaaatatg tctaattcaa 60

gattgagaga aagtcgtgac gattatgtcc ttcaatctgc aaccactttt gacaaacaaa 120

ctgttgtaat tttaatgttt atttcaaaag aatttttttt agacttagtt aaagaatatt 180

ataaattatt tataactctc aatttctttg tctcaggttt tctttatatt ggtttaatgt 240

tcatttgact tattcaaatt cttgcttaat ggtttaacgt taaaatgatg gtcaggtgca 300

atttgatgac taacataatt tgttttcaaa cattggagat ttttttaact aacaatattt 360

gctttgacca tttaaaacaa ttaattgaat gtgaaagcaa cttaagtgac ttgt 414

<210> 16176
<211> 173
<212> DNA
<213> Glycine max

<400> 16176

agcttgcaag aggattggta gaggggctct catctaaggc ctttatgtct tagatctcaa 60

ggacactctt gattgtaaat ttacttttcc tgttatcaat tcccatccaa attccattcc 120

ttgtaaaaat gctcatattt ggcattctag atttggtcat atctcagaca aag 173

<210> 16177
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16177

agctttcaac tgagtagatg acaatactag acggtggttt tacaaactat tattctaaca 60

tcttccattn tgaaagattc tatattttga ctaacacaat attcaacccc tttcagtgtg 120

attcatgtta tttcatataa tagtcgttga ttaaatttga acaaatttaa tattgatgaa 180

gagttaaatt acttgcataa atgtcactta ttataaattt gtgtctatat aataataata 240

ataataataa taataataat aataataata ataataataa ttaattttta ttattattat 300

tattattatt atagcaacgt ttaagaatga gcatgcctat atatatacat atanttttaa 360

aaataataaa taaaatatag aacaatt 387

<210> 16178
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16178

tagaagatct atatatggac taaaacaagc atcctaccaa tggtatattt agtttcatag 60

tgtggtctcc aaatatggat tttgtggaaa gtgttgtaga ccaatgcata taccttaaag 120

tcaataggag taagttgatt ttcttagttc tatatgaaga tgacatttta cttgctagga 180

gtgacttagg tcttttgcat gacactaaat ttttcctctc acaaaacttt gatatgaagg 240

atatgggtga agcttcctat gtcattggca tagaaattca tagagataga tctctaataa 300

cattaggact atctcaaaag gcctacatag aaaagttttg aaaaaattta atatgcaaaa 360

ttgttcatca attaccgcac ctatagttaa agggaaaant tttagtatca atcaatgtcc 420

ccaaacaaca ttggaa 436

<210> 16179
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16179

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taaaattaat tagtaaaatg ggctttgtaa gtacgagttt tataacatct gataaaacaa 120

tgtggtaaat cacgagtcga acaacttgtt tcttcatgtt tgtctttcat tgtgacccct 180

tccattgctt tgatatccta caagtttcta ccttagatag tataggagta agcaaatatt 240

atattattta tctaccagtg tgaataagat ctatgttcat gtaaatgcaa cattntattt 300

atttctttgt tcatatacat gctccaccag accagagttc tttcacatca ttatatgctt 360

taccaacact tttgtttatc accaaaa 387

<210> 16180
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16180

nttggcacaa agaagaagaa gaagttcaaa gagattcaag gcttgtaaag gattgtaatg 60

aattgattgg attgatagaa agattgatta aaaatgcaaa acaaagcctt gcttttatag 120

actcttcatg tctggtcaag aggaccattt agaagagtta taacttttag aaaaaactta 180

aaaccaattt gaaaaagtca aaaaccattt gatgagttac atcttttgat ttattcagaa 240

acaatcactg gtaatcgatt accaaatcag tgtaatcgat tacacaaagc ttttatgtga 300

aagtatgtga ctcttctctt ttgaatttga atttcaacgt ttaaaggtac tggtaatcga 360

ttaccaaaac attgtaatcg attacaactt tntgaaatca attggaacgt tgtaaattca 420

gttgaaaaa 429

<210> 16181
<211> 357
<212> DNA
<213> Glycine max

<400> 16181

atattactag caactctaag atgagcgaat agacatctta catactaaga aggtaatgta 60

taaatcaatc ctcaccggaa tgactgagta aaaaccattt ggtattggat ctgaaagcat 120

tccaatctgc cagagtgcta gtgatgctgt cagagaagac agcacatctt cgacaacatg 180

tcgaggagat tacttattac ttaaggtctc atcttgagaa cccaaagaaa cagatccaaa 240

tttttcaaca aaatctgaag gccaccacaa cacattagat ggcccttgct ctgccggccc 300

tgcatcttct cgtgtctcct ccatgttctt atatatttag aatgaaaaac catttcg 357

<210> 16182
<211> 445
<212> DNA
<213> Glycine max

<400> 16182

tcaagcttct gacaaaatcc atcaacacat gcggactcca atttgtggct tactattatg 60

ttcctcaatt ttgcatgatt tgtcctcact tctctgccaa cttcattctc atcatccatc 120

acaattttca cagctttgct tacactctcc ttcgtgaacc agccatcttc ttcacccttc 180

tccacttcaa ccccaatctt taagttttca cccatcatcc ttgcattaac tatatgatca 240

ccatctacct gtggcagtaa cactatttgg cacttattca ctagtgcctc agttaatgaa 300

ccagcaccac aatgtgttat gaagcaaccc actgaagggt gttccaaaat cagctgttgc 360

tgtatccatc caccgaggac aattactctc tcttcaaccc tttccttgaa cccttctggg 420

agagcagctt caagtgtctc aaacc 445

<210> 16183
<211> 379
<212> DNA
<213> Glycine max

<400> 16183

ttcttgagaa tggagaattg cactaagcaa tcactacgca tagctccaaa ctcgaaggtg 60

gaggacacat gaacgaaaac acaattcatg gggctccgaa aaaggggttg agaatggaga 120

attacactaa gcaatcacta cgcatagctc caaactcgaa ggtggaggac acatgaacga 180

taacgcaatt catggggctc cgaaaagatt gagaatggag aattgcacta cgcaatcact 240

acgcatagct ccaaacgcga aggtggagga cacatgaatg aaaacgcaat tcatggtgct 300

ccgaaaagaa tgagaatgga gaattgcact aagcaatcac tacgcatagc tccaaactcg 360

aaggtggagg acacatgaa 379

<210> 16184
<211> 440
<212> DNA
<213> Glycine max

<400> 16184

ttgtaggatt atggggtacc catcacatgt ggtactatgt ggcggtcggg cgatgttgca 60

caacaagttt tccacatcca caatgcgcgc ataaacccac catcccctgt tgcctacctc 120

caactgagct cacgtactcc cacgtagccg atatcctcgt ttctatcaac accgggtccc 180

catcaatcct cccaagcttt cccaacatca aagtaataca acattcaaac ggcacaaact 240

atcacagcca agaaaacaga gcaaaggcag aaaactctgc caaaacacca accaaaatca 300

cagcttttct cacttaaaga ccccagtaac aattgcttcg ttccaattcg ttaaccgctg 360

gatcgactcc aaatttttac tggaagtctc tagtacataa gcctacattg tgaccgctgg 420

gatctactag cagacatcca 440

<210> 16185
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16185

ttctatgaag aaatgagcta caaacctaca cgctcacatt caattctttt ttttataaag 60

ctgaacttag gagatttgag aaattctatt cagatcggga agtttagatg atagaagaag 120

aagagaggat tcacgccaag ggttagtnta ttgcaattaa taagattgca atgaaggttc 180

ataagctctc tgaacccaga agtataaagc tctgtataaa agagacgaaa aactaactac 240

ttaactgaaa ataggtacaa cagaaaagaa aaatacaaat tttgttagaa cataacctat 300

gttaatcaac cacccaaact agatgctccc ttttacgaga ctgaactctc caccaaatta 360

ctagagattg gacgac 376

<210> 16186
<211> 331
<212> DNA
<213> Glycine max

<400> 16186

ggaggagcgc cagattgact gagtaacaac tgatacaggt ggaactctga agagtatctc 60

ataagacttt cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta 120

ggcagcttcc ttgagaagct ttcttaagaa aacttccttg agaagctttc ttaagaaaac 180

ttccttgaga agtttctttg agaaaacttc cttgagaagc tagagtttat ctacacacac 240

ccatctaaaa actaagctca cctccttgag aagcttcctt gagaagctag agcttatcta 300

cacacaccca tctataaact aagctcacct c 331

<210> 16187
<211> 213
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16187

atcttctagc caaatggact taccttgaat taattccttt gatagccctt ttgagccttg 60

tttccctttc cttgttttga atctcactac aagccttaag tgaaaaacca tgatatcacc 120

atatccttaa ggaattttgg agctttggaa ttgttttggg aataagtgtg gggggggttt 180

tagnttaanc ttctttaact tactttaatg gag 213

<210> 16188
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16188

ntaaaagatt ggctaagatt ttgttaaaac atattctctt agacaatgaa ggaaagctgg 60

agttgctgca catgatgtcc aacgttatgt caaagaataa gatcgggctg cacaatgcac 120

aaggcaagat aaagtgtcaa atgaagaatt gaagctgcag gattcacgat gtcggatata 180

atgtccagga catcctgcct gaaaatactg gaattgctaa aagcattgaa gctgcaggat 240

ccacgatgtc ggatacaatg tccaggacat cctgcccgaa aatactggag ttgctaaaag 300

cattgaagtt gcaggatcca cgatgtcgga tacgatgtcc aggacatctt gcccganaat 360

actggacata taaatctgtt atatctttaa cagattattg tgcagttagc aagagattag 420

atga 424

<210> 16189
<211> 381
<212> DNA
<213> Glycine max

<400> 16189

atcttgaaga ggatgcttta atggaggaaa agaaagagag aaggggggag cacgaaattg 60

aaggaataaa agagggaaag aagtggaact ttgaagtgta tctcataaga ctttcattca 120

tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc ttccttgaga 180

agctttctta agaaaacttc cttgagaagc tagagtttag ctacacacac ccatctaaaa 240

actaagctca cctccttgag aagcttcctt gagaagctag agcttagcta cacacaccca 300

tctaaaaact aagctcacct ccgtgagaag ctttcttgag aagctagagc ttagctacac 360

acccctataa tagctaagct c 381

<210> 16190
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16190

tgtccataat agtcaatgat atttttttagg atgtttcttt cattgtcatc tgccctgcaa 60

aatataaaac aatcataaaa aattaaaagg tgcatgaggg tagaaaccca tatacatacc 120

ttgattccat gagtgtcaga tctcctctca tgatatttta ttaatgaaga aagtccttat 180

gtacagatga tgagtatgta ggacgacagc gagttactct gcctaagtcc tcaccctata 240

acttattgta gacaaaagtc accacaaatt ataaatctct tattctcctt ttgactcatt 300

gtgaaaatat attgaaattc aaagattgaa aaagcaactt taaatttaaa tggctaaaaa 360

aataatccaa attttaaaaa agaactaaga aagaaaaaaa aactatctnt atattccttt 419

<210> 16191
<211> 381
<212> DNA
<213> Glycine max

<400> 16191

ttcttgtttt tgggcaatag caccccacct gacgtcccca aggtctcctg acccccgcga 60

catatctcca ggtaccactc tgtggtcaac gaataaaagt aggaggtctc acccttcccc 120

acttcctcac ttcaagcttg taggattatg gggtacccgt cacatgtggt actaggtggc 180

ggttgggcga tggtgcaagt tgactatcca catccaaaaa tcacacataa atccaccatc 240

cccagttgcc caccttcaac tgagctcacg tactcccact tagcccttat cctcgttcct 300

ctcaacaccg ggtccccatc aatccctcca agcttccaca acatcgcaag caattcaaca 360

tccaaacatc atgaactatc a 381

<210> 16192
<211> 425
<212> DNA
<213> Glycine max

<400> 16192

actaagctcg cacaggggct gaacaatatc ttattgacat gttggctttt catacaggcc 60

gacaaattga ttgggcacac ttagtccgat attgcatgca taaagcattg cgattaaatg 120

ctccattgcc atatccacac ttaggcactc tcttccttca acactttaac atccctcttg 180

attctgaacc ttttgtacca atcaagagat ccttgttaat tggtgccgct gtgatcgcat 240

cattagggta ccgtaaagag catgaaggct ctcgggcgaa aaaaggtgca caccccattg 300

atgaagaagg acacttactc agtggagaag attcctctgt tcttcatagg attatggaca 360

ggtacgatgg tcttcatacc tttgatggtg aaaggatcga tgctctggag ttactaatgg 420

acatg 425

<210> 16193
<211> 351
<212> DNA
<213> Glycine max

<400> 16193

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caaagtctaa gatttgttaa tatttaatga tattaatcta tatgtgttca tattgttttg 120

catgttctgg agcagtgccc aggcaaagct tgtatatgct tgtgagtgaa atccccatgc 180

tgtagaagca ctccaacata atctacaaac aaattttgtg gctgatcggt gcatcatact 240

tgaagtagat aatctaatca cagcttccaa ggtatagcga gtgtatttaa ctatgtattc 300

acccagcacc gtagaccgag ctctaccgta tcttgcggac atctccatgt t 351

<210> 16194
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16194

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tggtcccacc tttaagttta gatggtcaat tagggaaagc aattgcatcg cctccaatgt 120

ctcctcgagg acttagacag ctctctttgc ccgtcaaatc attgcatgag aaattgcaga 180

attcaccgca agtgggtgtt atacatttgg ctcttcaaaa taactcagat ggcttaattg 240

ttaggtatct gctactatgc tactatgttt catgaactcc tattcattgt caatagttat 300

ttttgcccgt gtggatggaa gcctgatgct attgtccttt tatttagttg gcacaatgat 360

gtatttgttg tggctgaacc tggagagctc gctgagaaat ttctacaaaa tgtntaaatt 420

cag 423

<210> 16195

<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16195

ttcttgcttg tggggcttct atggaggctg gatctttgag cttcaatgag gtcctttaat 60

ggtgatttta caccatggag atgcagcgga agacaaagga gaagaggtga gagtaggcgt 120

catccactag ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180

agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagaggag 240

ggagcatgaa attgaaggaa gaaaaaggga gataagttga actttgagtt gtgtctcaca 300

agactctcat tcatcanagt tacaacaagt gttacacatg cttctattta taaactaggt 360

agcttcctta agaagcat 378

<210> 16196
<211> 414
<212> DNA
<213> Glycine max

<400> 16196

tctacttatg tggcagggcg ggcttccttc actttctttt ctccaacgcg agctttgacc 60

actgttcttc cttcgcgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120

accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttgtcttt 180

gcctaaaccc atcccgggtt cataaccgtt ccccaacata actcgggcca tcattaccgt 240

tgcatcggac agacaaggct gcccaaagag ggagtccacg gaggaaatgt tgaccacctc 300

aaaagactgg aaagcatttt ctaacgattc ttctgcggct tccacataag gcatggagga 360

tgggcagctt accaagatgt cttcctcgcc tgacacgatg accaagtgcc cctc 414

<210> 16197
<211> 377
<212> DNA
<213> Glycine max

<400> 16197

tttctttttt caggttattg tgtaaaaatc agtttgtcca atgggatgat gattttcaag 60

tggcatttga aaagattaaa tgatgtttga tgaatcctcc tatgctcatg ccattggtgc 120

ccggaagacc tcttatccta tacatgacag tattagatga gtcaatgggg tgtgtgctcg 180

gacaacacga tgaatctgga aaaagggaat gggccatcta ctacttgagc aagaagttca 240

cggcatgtag atgaactaat tgttcctaga gaggacatgt tgtgccttgg cgtgggcagc 300

tcaccgtttg aggtagtata tgctgagtta cactacttgg ttggtgtcca taatgtatcc 360

cgtcgagtac atcttcg 377

<210> 16198
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16198

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accaagtgaa aatgaacagt accaaagaag aacaccatct tttgcaattt caaagagctc 120

attggttgaa gggtcaatag gaagatattt cttgaggaac tcatcttgtg ctagatagtg 180

atttatatgt gctacatatg atgctttctc tgattcactt attgtgtgaa gcaatgtggt 240

tgtagctgcc ttgaggaacg ctgacgagtt ctttggacta cttccggttc tagaattcac 300

aaatgtttgg agtttcaagt agacctgtca tcattatatt atatcactat tacaagttat 360

ccttggatca aaatttaacc tgatcacaat agctgaaatt gttctagtat gtttctagt 419

<210> 16199
<211> 379
<212> DNA
<213> Glycine max

<400> 16199

agctttttgt aaactttgta ggatatggac atcccactga gaagcactag gaagtacctt 60

ttcaaaaaaa cagacttgtt gagattaagg gagctagcat ctttagtaag tgatccagtt 120

gattttcaag ctcaccacgg gaagttgctc agaattctta gagtagatat tgaggaggga 180

tgcctagaga ccctagttca gttctatgac ccgctctacc attgcttcac atttcccgat 240

taccagcttg tccccacact tgaagagtac tcctacctag ttggcttacc tgtgccagac 300

aagatacctt tccatggtta tgagcctacc cctaaaccct ccgacatcgc agccgctctc 360

catcttataa cctccatca 379

<210> 16200
<211> 421
<212> DNA
<213> Glycine max

<400> 16200

tggatatttg aattacggat cttctatagt gaaatattga agtattaatt cagtgtatgg 60

atgctcattc tgattactac gaattcgttc tcagggccga aaaggttgtt gaggaagtag 120

ccatcattga attgaagacg ccaaagcaaa gtttgacacc aaacgagtcc caacccccct 180

caacttctag tcaagaccaa aagtgagacc ccaattttat ttccctttt tgtttctctt 240

aacccgctgt catactcata ccggtactgt cattgcaaat agattacact tatttttgac 300

acaataatcg tgactcattt ttttgtcaca ataattggta tgaccaatat tttattggat 360

tcgcaactct atatctgttt gattaattat ttttaatttg caatagggtt gtgttgtatc 420

a 421

<210> 16201
<211> 350
<212> DNA
<213> Glycine max

<400> 16201

agcttgtctc atcgtttatg cgagacggag accaacatgc tagctatcat cgccaagtac 60

caagaagagt taggtctagc cacggcccac gagcatagaa tcgcggacga gtatgctcaa 120

gtatacgcgg aaaaagaggc tagaggaaag gtgatcgact ctttacacca agaggcaacc 180

atgtggatgg atcggcttgc tcttaccttg aacgggagtc aagagcttcc ccgcttgtta 240

gccaaggcca aggcgatggc agacacctac tccgaccccg aagagattca tgggcttctc 300

ggctattgac agcatatgat agactttatg gccgccataa ttagaaatcg 350

<210> 16202
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16202

agcttgngtg ttgcttatat atcctagctt taaccctaca cctaccacca actgccatat 60

caagcaaaga aaggaatatt agatatatga tgcccatatc ttcttcaacc agccacatta 120

cacaattgca actacaaccg acaaccattc tatatcacat gtccacctaa ctttctatct 180

tcaataacct ccgtaatatc atgcaaacat gcccccaaag atgtgattgt attaagcatg 240

caatataacg gtgcataaca gaataccttt cttttagccc ttttaaccat ttccatgcat 300

gtattttagc attctcaaag aagaatgaat tctacttatg ttgcacgtac aatcatttaa 360

tcaaattcaa ctcactcaca agacctact 389

<210> 16203
<211> 426
<212> DNA
<213> Glycine max

<400> 16203

attatgaata accaagagac cagtcaaatt atgataaaag gataatacat atgtccagat 60

taagagatat gatagatcac cagcttatca cgaaccacaa agcattgccg ctgaattgat 120

aatatgtaag cctcatggac ttcgatgact tcatccaaat actttgctgc agtcatacct 180

tgacatagat gacgccatgc gctgtgatat acatgcatac aaagtgtacc atcagataag 240

aacgcttagg tttccttctc acattgcaga actgaaggaa gcttgctgaa ccacgagcgt 300

atactaatgg gaagattgca ttgtgtgact agtgatcatc atataaggaa ttaaaggtca 360

ttataagcca ttacaactag atctagccat tatactatta cattagctcg ccttagtatt 420

atttgt 426

<210> 16204
<211> 385
<212> DNA
<213> Glycine max

<400> 16204

agcttgtgca tcaactcatg tatacatatt tctattcgta gattattaga aatccattat 60

atggttttgc atcagagtga ataaaacgta ttggaaattt cgttctatga aaataattat 120

atgtagcgca tatttctatt cgttgattat tatctattat caaaatgttt tattaaatat 180

taaattgata agtttaagga tttttttaa aataaatatt aattagatta taaatgagtt 240

aaacaagtca agatcaaact ttcatttttt ttttcaacaa gttaagtcca atcttttagt 300

tagactcttt aaataaatga gtcaagctaa agttattatt tgtttttcac aagtcaaact 360

taaaatctaa tattcaacct gactc 385

<210> 16205
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16205

tactctnttc ctgtaatgcc tcattgtatt catattaaca ctaagttttg actacctaaa 60

aagagtatca catttatgac tcatttagtt catcaaatta taacacaaat aataacataa 120

agttgaagac aaaataaaaa tatttacata gtttaatctt cttcctatta ttattattaa 180

aaatattatt attgctctca ttattattgt caatattaag gatatcctta ttattatggt 240

catctttcat tattaatggt aaaaaaatca tttataagtt aaatgatatc atagtaatat 300

aagttaaaac aaaataaaaa aaagcattat gacttataga acttaccttt tctccaataa 360

aattggttcc attaaatgct gaaaggagta aaaaacacaa aacaaaacga tcttcaacta 420

ggtgcattaa taaacaaaat at 442

<210> 16206
<211> 387
<212> DNA
<213> Glycine max

<400> 16206

agcttcgact ttttggatca ttcttttcaa attagagatt gttcttcttc cttcaatcaa 60

gcaaaataga atgtgtttcc gtttacttgc tgttcgacgg gcatcattca cggctagcca 120

agcagcttca aaatctgtac aagttccaaa gggctatctt gcagtgtatg ttggggagaa 180

acattcccga acaccaagag aacattcccg atcctagtga gaaagcatag ctagaggtac 240

tcttcatgtc atctgccgaa cctgcccaat cattatcggt gtagccaagt aattttgaag 300

tggttttggt agtataccat ataccgaact cttttgtcct ttgagatacc tcaaaattct 360

ttttgctgct ccaaagagta tttgact 387

<210> 16207
<211> 443
<212> DNA
<213> Glycine max

<400> 16207

ctttgaactt caaatgcttt aggatgtgaa tcacttctgt tgtcctaaat gcctgcattc 60

atgaacatat atagaagaaa taattggaga ggaatcgttg gctacatgaa tcactgaggt 120

gggaggacta taagacaaga ctggttggat gggaccaaca gggaggcaag ggcatatgga 180

cggccttgga ggactttctc gctgatgctg attccgtgtg aaataaaata gatgtcaaac 240

atcagaaata tttaaaatga tatatgacct ctcgctatcc gctgccttat aattcatcag 300

ccacaaatta ccttgcagtt gtacttcgat gtaacgtgaa cagaacatgt ccagagcatg 360

tttacaaaaa tatggaatat caattaatgc atgaatagac gttacgtttc actgaggcac 420

gtctcatttg gttacatgtg gag 443

<210> 16208
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16208

tgcttcatga tgaatcaaca atgattcaaa ggtattttga tgatagcaat gatgacaaca 60

aaagatgatg acaaaagtga tgaacaaaaa gctcaagaga atcaaagaac attcatctca 120

agaaaatcta gaacaagtca aagagttcaa gaatcaagaa gaattcaaga actcaagaag 180

aaagcctaca aacaagaatc aagattcaag atctcaagaa tcaagatcaa gattcaagac 240

ttaacagatt caaaatctca agatcaagat tcaagactca agattcaaga atgaagaaaa 300

gactcaatca agataagtat taaaaagttt ttcaaaactt tgaatagcac atgagttntt 360

gacaaaacct ttaccaaaga gttt 384

<210> 16209
<211> 406
<212> DNA
<213> Glycine max

<400> 16209

tattaatttg aactcgtgct tgtacataag ttcttttaat tttattttga aagccgtagt 60

gcttattttt ccacccagat actgcagatg ctgcagaatt tctgccttaa ataagttgca 120

gtgcttattt ttctaaaagc tacagtgctt gtacataagt tcaattaatt tgaatctact 180

ctgcaaatgc tgcagaattt ctgccttaac caaattagga gataccatca atcagcatcc 240

ccctcaaggc atttctcctc ctgctatagt taataatttt gtgaaagtag gaggtattac 300

tgtccccctc tttgatccat ttgcttcttg acttctgcct cacaatagat tcatgaagag 360

tatccttttc ccaaacttca acttcaaatt tcttcagatc ttggac 406

<210> 16210
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16210

tatttttta tgcagaacgg ctgcgccata atttcaaaga atttattgat caatatggtg 60

aaagtgattt tccaattaaa gaaatggttg agaagctaat gacaaacaca gtcaaagatg 120

aagagtgtat gttaccaggg attcatcctc cagaacggga acaacctttg agttctatat 180

ttgatgaagc ggaactttct tcttcggtaa ctaacacatt ccacttttt atttaggtaa 240

aattagttat ttcttctaat ttatttttta aattcaaata gatcttttaa tttttatgag 300

atataatttg atactctaat tctgtaaaat gattcaattt gatcttacag ncaaataata 360

gattaacggt attaataaat 380

<210> 16211
<211> 391
<212> DNA
<213> Glycine max

<400> 16211

tcaagaatta gccttatgat tttcgcctga acattatctt attttcaagc gaaaaagaat 60

ccttaataag aatggtcaac cggctgagtc ggtcaggtta gaaccaaaag tccaaattga 120

cctaacccgc atgttgactc ttggagacct aaacccgtcc aaatggactt tcaattcaag 180

ttaagtgagt ttcaagttag aagggtacag gttaaccagt acaattatag gtcttgaaaa 240

tcattgttac ccccaacttg caaataacct caaatacaaa gcagaattgc gaatctatga 300

taacaatcat tgcagcacta atacattatc ttcattatac agtgatacaa ctaatacccc 360

tataacctga gtaaccattt ttgccattat c 391

<210> 16212
<211> 367
<212> DNA
<213> Glycine max

<400> 16212

tattttctac tgcaagctga gggtctatta aagctaccag tagcctcact gttatcctct 60

gtgctacaac aggatataat ccttttatac tacttaggat caaactaatc ttgactatag 120

cattcataaa tgtataataa tacatttgat gaaagcatta agaaaatcta tataacattg 180

ttgtaactat attagcgacg catttggaat taaaatgcga gattggaagg tgaggctttg 240

cacttacagg acttctactg ctgctgttac agctgcactc caattctgtt cacgctgcag 300

tggtgaggga tttaaaagag gataaactat aacgcgctaa ttctaaaacc ctttattatg 360

ttctatt 367

<210> 16213
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16213

aggcaccagt agatnnccgt tagcaannte ganagccatc agacanacac gcnaccctac 60

tcatatctct ggcgtgccgc gacgcattcg tactatacac taagttttta ttacctaana 120

ggagtatcac atttacgact catttaatcc atcgcaccat gacacataga ataccataaa 180

gctgaagact atacaataca gtccacttag cttcttgtcg tacctaatat gcacatgaaa 240

catcaaaata taggtctcat atttactgcc aataaaatcg atatcctcat gattaaggcc 300

atgtctcatt atcaatgggt aaactactag ttataagtcc aacgatttca tagttatatc 360

agctcactca taatataatg aacgcattat gacttataaa actcaccata tgttcataat 420

attagcttca ttaatgctca cacgagcgag cacacataac tcaatgattg tcactaagcg 480

ttatcacaaa ccatat 496

<210> 16214
<211> 565
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16214

cccgtctctc gcactctctc antcntatta tattgatatg gagaanaagc gaaccgaggc 60

aagatnnana tancnnnaca cncaagcaca cagacacngc ntttgangcc attgagttca 120

tagcatngca nancgcgnaa gngactcgga acccggagat cctgatagag aagactccag 180

gcgggccttc ctttacttgc gtgaaccatt aaatcacggc agaaactata taacaacagc 240

cgagctcaag acgacggaac aaaagaacaa tcatagatca aaattaatac tacataagaa 300

cgaggctgaa gattataatc aatacaatat aagagaaatg cacaaaaagc atggaatgag 360

aaaaataact ggggacaggg gaagagaaaa atagatatct cttagatatc aaaagacagg 420

aaccggacaa gaaccacgaa aacatatact atagcgaagt gaaaagaccg aatacctgtg 480

agccgtggga caaatgtaca aactggcagg aaccgtagat ttgacaacag ccaatttatc 540

tatacattat atgcctacaa aaccc 565

<210> 16215
<211> 400
<212> DNA
<213> Glycine max

<400> 16215

actaagagtt gactatttat gaagagtatc acatttagga ctcatttagt tcatcatatt 60

agaacacaca taatgacata acgtagaaga caaaataaaa atattgacat agggtaatct 120

tcttcctatt attattatta aaaagattat gattgctctc attattattg tcaatattaa 180

ggatatcctg attattatgg gcatctttca ttattaatgc gaaaagaatc attgataggt 240

taaatgatat catagtagta taagttacca caaaataaaa aaaagcatta tgactgatag 300

aacttacctt ttctccaata aaattggctc cattaaatgc tgaaaggagt tagaagcaca 360

tagcaacacg atcttcaact aggcgcatta ataaacaaaa 400

<210> 16216

<211> 378
<212> DNA
<213> Glycine max

<400> 16216

ttctttaggt tgctcattga ctccagattg ctgcaaagaa ggacatagat ctgtatggtg 60

atctgcagaa gatcataaac cacagactct tgcaacaggt gcagatgtag atttttgatt 120

catggcaagc tgagttacta tgttgaccaa gacatcaagt tttccttcaa gctttttatt 180

tttagtagat gaagatgaat ctgtggccac ctcatggact cctctaagga caatagcatc 240

atttcttgca ctgaattgtt gggagttgga agccatcttc tcaatcaaat tcgtagccgc 300

agcaggagtc atatcactaa gagctccacc actggcagca tcaatcatac tcctctctat 360

gttgctaagt ccctcata 378

<210> 16217
<211> 428
<212> DNA
<213> Glycine max

<400> 16217

tatgctacaa atatttacaa tagacctcct caatctcagc tgcaaaatca accacagcaa 60

agcaattatg acctttccag caacagatac aaccctggat ggaggaatca tcctaacctc 120

agatggtcca gccctcagca acaacaacag cagcctgctc cttccttcca aaatgttgct 180

ggcccaagca gaccatacat tcctccacca atccaacaac agcaacaacc ccagaaacaa 240

ccaacagttg aggcccctcc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300

cagaacatgc agtttcagca agagaccaga gcctccattc agagcttaac caatcagatg 360

ggacaattag ctacccaatt gaatcaacaa caatcccaaa attctgacaa gctgccttct 420

caagctgt 428

<210> 16218
<211> 122
<212> DNA
<213> Glycine max

<400> 16218

gatgtgttgc catattgatg gatggtagag ccccacgcgt aatttactgt atatgcaatc 60

ttacccttac attgtacctg gctagcatgc gtgcaatagt tattatcaaa ccattgtatg 120

ta 122

<210> 16219
<211> 415
<212> DNA
<213> Glycine max

<400> 16219

tgtaatcaat acttcttgaa tggacagtat ctgttatgtt tatgatcaag gcaaaaccac 60

tagtacaaat ttaaaagggg gcaccataat gtttcacaga atctatattt gatattcagc 120

atttcatcat gaatttgata tcaaaagatg tcatggagag tgacagatga aaacactgaa 180

aatagagaat caggccccat gagcaacaaa gaaaaactca aggtgtaaaa taagaaactt 240

gaggagctac atcagacaat gaacaaaata acaagaggtg cagatttgaa agatagtggt 300

tggcctggct aaaaaatttt aaatgataaa agtatattta gatcaagatt attcaaataa 360

ctgacaatag tataggtaag agtaccagaa taacagtaat ttcataccta tgacc 415

<210> 16220
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16220

tttctttggc taaattagtc taaactttcg taagctattt aagctgagtc tagtccaaca 60

agagggatct aaggatgaaa cttagtttaa gttagtctaa acctaggaag gctgtctaaa 120

ttaagcctat tccaacaaga gggatctgaa gacgaagctt ggattgattc agtctaacta 180

gggatcgagg tttagtaatt taggctacaa catagaacac aaaagcatga ttgattagag 240

aaacatcttt atatacatca gctggtttgt tagaaagacc caacaccttt acgtactgct 300

gtcaatctta cttacttgca ttnttactat ttttagccta gacttagttt aattctattc 360

taaatcatca attat 375

<210> 16221
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16221

tcgaggcgtt gactcaagtt attttctctg atatttgtga atgatttgaa ccaaagaggg 60

aagatctgat ctgagtagat gacatcatgg gtcaacaaga tgagagagaa aatgaaccaa 120

atatggggga aaggaaacta ataacgagc cattaacctg gaaactgatg aggcagtggc 180

tcatcaagca cgatttggat agacccaaat ttgccatgat gcgtcgttat gtttggaaga 240

ggattgcaca tcaagtacga gtcagataga ccaaagttga tcatgatgca ttgccacgtg 300

tgatggaggc cggcgatgca tgcaaaacca tgtatgccca agaatagcat gtgaaagtgc 360

atcttaactn tgatggtcct gagaatttgt ggactaataa attgacatat acagcagttt 420

t 421

<210> 16222
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16222

gagtgggtcn cttttgatcc tttgaattgc cctgaacatc gacnaccgga aaancagact 60

cagctggaac aatatcatag gggacattgt cctcttgagg ggaactagca aagcactctc 120

accaaatcaa aaggcggcac cataaagtgg cgcaggtacg agtgttgaga atttacatga 180

ctacatgtgt gcggaaccac tatgatgccc tgagtgagtg atatatgaca actctgggaa 240

cagagaatca ggctcgatga gccacaaaga gaatcttcaa gagtatagag tgaaacgttg 300

tgagctacat cagacactga gcgagatcac acgaggtgca gattggagag atattgtttg 360

gccagactaa aggcgttgca gtaatataag cctatataga tctagattaa tcttaaacgt 420

gcgactatct tgtcaaagta ccaacaaaac aggacctggt gcctatgacc tgcg 474

<210> 16223
<211> 329
<212> DNA
<213> Glycine max

<400> 16223

agtcttgtat attggctaaa catgatacat gtcatggcta ggtttgattc acggataaaa 60

agcatgcccc acaatatttc catgacacta atgcatatat gatgattcgg aaacttcatg 120

caaaacttgt catgcatgca tctatgcgga cactcatatg actaattatt atggtcatgt 180

gatgctaggg ctcaggattc atttcctcta tttttaatca acccaatgtt tccaaaatat 240

gtacttttat caacttgtgc attcatccga gtccatatcg ggcgtccggt atatttcaca 300

gcattcaccc ttcaggcgta gacacattt 329

<210> 16224
<211> 437
<212> DNA
<213> Glycine max

<400> 16224

tctacctctc tgggcaatct tatgtggtgg atcttacctt caaaaccttt tgaccttcta 60

ccattacctg caagcaaaca ttgtgttctg gagtaagctt gtcttccaca gacaagtcga 120

aatcgatttt tgggtcttca aaacctaact ccacctttct cttccccatg acaactatgc 180

agcttgcgga caacatgaac ggccttccca agattacaag gatgtcagta tcttcagaga 240

tatccataac cacaaagtct gctgggaaga tcaaatgttg taccctgacc aacacttcaa 300

tcactccaca ggacctggta atggagcggt cagctaattg cacagtcatt cgagtgggca 360

taatctccaa ctctcccagc cttctgcaca tggagagtgg catcaaatta atgttggctc 420

ccagatcaat catagcc 437

<210> 16225
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16225

atcttctcct tcaattttct ataaataggg ggagaagtga agtagaaaag ggttcagccc 60

cttaggcact tctctctctt tcgaatttgc tgaggaaaat tatttccgtg aagaaaatcc 120

aagctgaggc gcttctgtaa cgtttccgtg agtaattacg cgaagattct cgaccgttct 180

tcaagattca ccgttcgttc ttcgtttttc tttagtcttc aatgggtaag tacctcaaac 240

caagcttttc aattcattct atgtacccgt ggtggtccac attntgtttc gtgtatttct 300

attctcattt tcatttactt tctatacccc cttttgacgt gcttaagcca tttatttaag 360

tcatttctcg cttaatctaa aaataa 386

<210> 16226
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16226

tgtaggatta tggngtaccc atcacatgtg gtacttggtg gcggtcggtc gatggtgcac 60

aacaagtttt ccacatccac aaagcgcgca taaacccacc atgcccctgt gagcccacct 120

acaactgagc tcacgtactc ccacgtagcc catatgctcg ctcctctcaa caccgggtcc 180

ccatcaatgc tacgaagctt ccacaacatc caagtaaaac aacattcaaa cagcacaagc 240

tatcacagac gagcaaaaca gagcaaatgc agaaaactct gctcatacac caaccaacat 300

cacagctttt ctcacttaaa gaccccagta acaattcctt cgatccaatt cgttaaccgt 360

tggatcgact ccaaaattnt actggaagtt tatagtacat aagcctacat tgagaccgtt 420

gggatctact agcaaact 438

<210> 16227
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16227

atctgcactt tattttataa atctatttat gtacaaagtg aagtaaccaa ataactaact 60

aactaactaa cttcactaat atatccagta actactcaga aggaaaggat ggacttaatc 120

gattaagccc atctaatcta cctaattaaa ctaattacac acagcaaaac ccaaattcgc 180

agcccaatta ttgaagtgta gtgattctta gtttcaagcc caatttgacc cgcgaaatgg 240

tagaatgtcc aagcttattt gcgaaagata atacaaaatt gaatctattn ctctgagtct 300

ttcaagaact actcacatg 319

<210> 16228
<211> 435
<212> DNA

<213> Glycine max

<400> 16228

tgctaaccca tggaagctgc taatatctcc cacacttttt tggggtgggt cattcttgga 60

tgaccttgat tttctcaggg tccacttgga ccccatttct accaactaca aaacctaaga 120

agactatatt atctacacaa aaggtacact tctgtatatt tgcatagagg gagtttttac 180

taaggactga aagaacttgc cggagatgtc ctaagtgatc atctaggctc ctactgtaca 240

ctaaaatatc atcaaaataa acaactacaa atctacctat gaaatccctt aagacatgat 300

gcataagcct cataaaggtg cttggtgcat tagtgagccc aaaaggcatc actagccatt 360

catacaaacc aaacttggtc ttataagcgg ttttccactc atcacccttg ttcatcctga 420

tttggtgata accac 435

<210> 16229
<211> 347
<212> DNA
<213> Glycine max

<400> 16229

ttcttattat taagtcttat aagcctcata ggtcggtctg tatatatatt tatattattt 60

tttggatacc aatatatact tctattattt ttttgataca attaattttt tttaaaacta 120

acagactttg attacacatt actgctccat aactttcatt cttataatca agtaagactt 180

taattacaat ttaggtgtga gtcatatgtg ctcctttata tttctcatta tctttattgg 240

ctttcctatt actatgtttc ctttttcttt aactttctta ttacgttact acttcacagc 300

aaaggaatat taaagattta atgtgaagaa ggtttttaaa aggacta 347

<210> 16230
<211> 440
<212> DNA
<213> Glycine max

<400> 16230

tgtaaaggat tgattagaaa agtgttcaag atttgtaatg attgattttt aatgcaaaac 60

aaagccttgc ttttatagac tcttcatgtc tggtcaagaa ggccattcag aagagttata 120

acttttagaa aaacttaaaa accatttgaa aaagtcaaaa ccctttttgaa gagttacatc 180

tttagatttt tcagaaacaa acactggtaa tcgattacca aatatgtgta atcgattaca 240

caaagctttt gagtgaaaca atgtgactct tcacttttaa attttgattt caacgttcaa 300

ggacactggt aatcgattac aaccaaaaca ttgtaatcga ttacagcctt ttgaaaatat 360

ttggaacgtt gtaaattcag tttgaaaaca ttttcaaact cattttgcta ctggtaatcg 420

attacaacaa tatggtaatc 440

<210> 16231
<211> 381
<212> DNA
<213> Glycine max

<400> 16231

ttcttaacaa agtcaatgaa agaacaacaa catatcatgt gcttcattgt tatggttatc 60

ttaatcatcg tttcaatatt ttaaaaaaat tatatataaa cataagatta aatacttttt 120

tatttttag atttaatttt attttctaaa tattcaaaaa atactttgat ttgttttcat 180

atttttatta aataatttat catatggcat tatcaagtta atgttccaag ttagtcttac 240

aattatatgt atttcattgt ttataaaatt ttaaaacata aataataata gatatcgata 300

ctaaataaat aaaattattt tataaaatat attatatatt tcaatcatat taatcatagt 360

tgtcatcaat atatgtatac a 381

<210> 16232
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16232

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tcacatccac accccaccag ataccctac ccccaaagtc tgcttctacg agtattcagt 120

aattatttga ttacacgtgt gcagaactct ttgttgccaa actttattat ttggaacatt 180

tttaggaaca tcacatatga ttgaacatgc agaaagagaa tttttaagat tctagagttt 240

agtcatgttg aaatgaaatt gaatattgag attttaaaca catccaaaaa tgtggaatnt 300

tttctttata atactaatgg tctagtggta aattatcttt tattattata ttctttatat 360

taaaagtagg actatcataa ttctagtaat ataaaaattt gatact 406

<210> 16233
<211> 375
<212> DNA
<213> Glycine max

<400> 16233

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ttatccctcc ttaaaaatat attctgtgaa aatcaaactc acatatagag aatatgtgcg 120

tgcgtgtgtg tgtgcatata tatatatata tatatataca tatatatata tatatagata 180

tatacttcat atgcatagac gtttctttcg tggtggacat agagtcgccc aaacacacat 240

gtgcctgatg atcaacatta ttgagaggag agatagacca actaggatat ctcgtcagat 300

tgaaaccggt tatcacgacc ggatcggggg tcttttgaga gcgagtcacg agcattgtaa 360

agacgaatta gtaag 375

<210> 16234
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16234

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gagcaacact ctgcctcaag acatttccaa ccttattaca aaaggtgctt ttgcacataa 120

tattgtaaaa attgaaacca gttattgtaa ggattaatag aataaaaatg catcatcgtg 180

atagccataa ccaaatgaca aattctaaaa ggtgatgagc ttcacttctc aaaaaaacta 240

acataacttt caggcattat agtcgccatt tggcagacat aaaataaatt aagtaaggaa 300

atcataaagc agcctcgaca ttaataaata ggaaatatac attanataat gatatgttac 360

ctcgttgata gcaagcac 378

<210> 16235
<211> 376
<212> DNA
<213> Glycine max

<400> 16235

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gcaaatcaac tctcccacat ccacaaatca aacatgaacc caccatcccc agttgcccac 120

cttcaactga gctcacgtac ccccacgtag cccttatcct cgttcctctc agcaccgggt 180

ccccatcaac ccctccaagc ttccacaata tccaagcaat tcaatattca aacatcatga 240

actaccctaa accaagaaaa cagggcagag gcagaaaact ctgcccaaaa cacattccaa 300

taccacaact ttccctactc aaatacccca gtaacattct cttcgttccg attcgctaac 360

cgttggatcg actcgc 376

<210> 16236
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16236

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tgccccacat tatttccatg acacaaatgc aaaaatgatg atttggaaac tttatgcaaa 120

actggtcatg catgcatcta tgcggacact caaatgtcaa atttttatgg tcatgtgatg 180

ctagggccca ggattcattt cctctatttt atatcaaccc aatgtttcca aaatatgttc 240

ttttatccat ttgtgcattc atccaagtcc atttcgggcg tccgggaaaa tttcacagca 300

ttcacccttc aggtttacac acattntttc aaaaattggt tatgatcaat gaatttttt 360

ttttttttt caaaagcatg ttggcttttc agctagacaa cttatttttc ttttttctc 419

<210> 16237
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16237

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gctcgatgct gtattactaa aagacaagcc cccacatctc acatgttgtc caagagtagg 120

ggtgttcaaa ttaacttgtt ataaaaaaaa ttaaccatag atgtatataa ccaatttcat 180

aataattgga taattaaaaa tatttataag tgttaactaa tttattggtt aagttaaagt 240

tgggttattt aatttttgga tatgcctgga tgtatatttg ataaccggct atgataaaag 300

agatatttga taacagataa taatgcttan aacttaatac actatgtcgc ttcttctctt 360

tggtatgcat aacatgtt 378

<210> 16238
<211> 424
<212> DNA
<213> Glycine max

<400> 16238

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cttttggtag cttcttgctt ttgagcatgc ttcgagccat atcaaggatt gttctatttt 120

tcctttctgt cacaccattc tattaggggg atcttggaac tattaaggga catctgattc 180

cattctcttc acagaactct ttggaaggga attctcctcc ttggttagta ctcatggctt 240

tgatcttttg actactttct ttctctatta tagctttgaa cttcttgaag gcggaaaaga 300

ctttggattc tttctttaat acatatactc atgttttgct tgagaactaa ccactgaaaa 360

ggatgacata ggcactttta tctagtgagc atggcttgat tggcccacag acgtcaacat 420

gtat 424

<210> 16239
<211> 356
<212> DNA
<213> Glycine max

<400> 16239

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cataaacaaa gggagttttg tttgcaccat aaacactatt aaaaaatact gggaactgga 120

ctgctaataa tacagtagaa aaatctgcta tactgcaaat tttgttaaat tcttgaaaaa 180

aaaacaatac tcaaatttac ccccaccaca ttaacaataa ctgatacaag atgtagaatt 240

tcatatgtta cagaccatat ggactgttga ccataatgag ctttatcata ctatagcatt 300

taacagaact tgaccagatg ctcgagtacc acactactca tatgatgcta attcac 356

<210> 16240
<211> 424
<212> DNA

<213> Glycine max

<400> 16240

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cagggtccac accatcaggg agagacacca actttatgtg tgagtccatg atgactttgt 120

cattcccacc accacttgca ctcttcagtt tttcgtagtt ctcatctgaa ctcaagaggg 180

tgattttgca gccatatttg gccaaaacct gtgagaactg aagaaggggg ttcatgtgcc 240

ctaggattgg gtaaggcatt gcaagaaaat gtgagatacc catcataacg gggtgagttg 300

gaatcttgca agtgaagcaa aatttactgg tgatacttag aacaatagct tctttgtgta 360

attcgaggtt gcgtgaatgg gttagttact ttgtggatat atatatggac ctgaatgcta 420

gctg 424

<210> 16241
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16241

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gtatatttta accaacttac atcctcagtt aacaaatgga acacctaata aatcaaattt 120

acttacatta gccacaactg tagtatggat atgttcaaac acttgtcacc taaaataagg 180

tcactaacat ctgtgtgtgt gatgaaaaag ccatctttga cattaggtat cccaaatttt 240

tccccatccc atgccaactc aattggcttt tggtaaatat caaacaagtt ctttaccaac 300

tcttccaatg gataaactac agccactaca ttgtccattn tagcacattt aaccggtatg 360

ggcaaacgc 369

<210> 16242
<211> 417
<212> DNA
<213> Glycine max

<400> 16242

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agatcacctc cttgagaagc ttccttgaga agctcgagct tagcaacaca caccctcta 120

ataactatgc tcacctcctt gagaagagaa gctagagctt agctacacac ccctattata 180

gctaagcgca ccccccctgac aaaatacatg aaaatacaaa aaaaaagtcc ctactacaaa 240

gactactcaa aatgccctga aatacaaggc taaaacccta tactactaga atggccaaaa 300

tacaaggcca aaaagaagga aaaaacctat tctgatattt ataaagaaga gttgatccaa 360

ccttgaccca tgggctcaaa aagctaccct aaggttcatg agaaccctag ggccttc 417

<210> 16243
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16243

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atatgactga caattatttt gacaggggaa gtaatataaa gatcacaaca ataaggatca 120

accttgagtc tctatgtaaa ctatcaactt ttgtcactag gccggacata atggattaat 180

atgaaaaaca tttcatacca aaaatttagt atttcaaaaa tatgtttctt gccttgcaat 240

taaaaaatta tggatttatt tcattaaaat tttctattaa atgcgtaaga gaacatgaga 300

ataaactaaa ctcataagct attgtagtta ctttgtataa ttacactcta taattgcaac 360

ttanaaagac accaca 376

<210> 16244
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16244

taaactaata agtgaaagca aatgaatgat tttatatctc acacatgcct ttaagcaaga 60

acccttttag tttcaagggt aaatagtgca taggcccacc ctacctcatg cagaagttga 120

aattaatctt ttaccaactt ggaaaaatag agacaaggat caaactatag accacatgat 180

cataaatgct ctaataccat atcatgaacc aactatccta aaagattact ttgttgggta 240

aaaacattta aatgctttta tatgtaacta gagtagcaac aaagcctagg gaaaaaaaag 300

gcaatccaat ctgaatgcaa atgaattaaa aaggaaaaag atcgaactac caaaaaatta 360

tagcagaagc caacacatgt cctattttga acagattntc aattacatac tacggataaa 420

aaa 423

<210> 16245
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16245

cgctcacgcn cnncntttga acctttgatt ctttgcatgc anagcgncan nnnnaactcn 60

ngacccggcg aggcgatatc agtagacctg aattgcaggc tttcttgctt tctctgcang 120

catactagag ccgtgacaca catttcgcct aaatagtgtt tatggaatat aacaaccaac 180

tgacatttct cagacaacga atggagacac ctaatcaatt ggatttactt acaatatcca 240

caactgtact atggccttgt gtgaacacgc ttgtcacctc aaagttcgtc actaacatat 300

gggtgtgaga cgaagaaaca atgtttgaca ttacgactcc catacatctt ccctacaatg 360

caactatatt ggcgctaggt aacatgaaac tagtactgtc caactcttcc catggtgaac 420

tacaccactc cattgacatt ttaaccattt aaacggtctg ggcaaacgcc tttgtgaat 479

<210> 16246
<211> 350
<212> DNA
<213> Glycine max

<400> 16246

caagagacac ctgcttgaga cacctccttg agaagctcga gcttatcaac acacacccct 60

ctaataacta tgctcacctc cttgagaaga gaagctagag cttagctaca caccctatt 120

atagctaagc gcacccccct gacaaaatac atgaaaatac aaaaaaaaag tgcctactac 180

aaatactgct cggaatgccc tgtaatacaa ggctaaaacc ctatactact agaatggccg 240

agatacaagg ccaaaaagaa ggcaaaaacc tattctgata tttataaaga agagatgatc 300

caaccttgac ccatgggctc aaaaagctac cctaaggttc atgagaaccc 350

<210> 16247
<211> 518
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16247

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acaaccacan nngcctgagc atgaatcttc gaaaccaagg cgaaacgact cgcaccggga 120

tctataagac gaccgttgct gcattcttga acaccagcga gaccacgtgc gagtgaatac 180

actgtgacga gatggaatac ttagaatcta accacgagtg acaggtagta taactaggac 240

ctggaagcaa acagaaggtc gtaaatgaac ctcgaaagag agaccaaaac cgaatgatgc 300

tgtagaacaa tacagtgctc gcatagtaga caaaggcatg acgctaggag agagagtgga 360

ctacactcac accactgaac gcagcacgaa aagaacatat atacgggagc taaatatatg 420

gtgacactca cagcctatga gtacaccaaa tggaggataa aaaagtatac taaaaggaga 480

accggtagaa gatatacata cggaccaacc agaccgcc 518

<210> 16248
<211> 322
<212> DNA
<213> Glycine max

<400> 16248

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tcatgggtgt tcatctctaa aggaaatctc actggaatga gaagacatga atacattgaa 120

tatatctggc accactatat gtgcattgtc gctatcaatg tcatctctcc ccaagcttac 180

atatttggat ttaagtgatt gtagattgat tgagagactt agccttcact caaaatctct 240

ctccaaactt aatctatgtg gttggccatc tctctcggaa atctcagcgg cgcccgagga 300

actgacgaat atctatttgt at 322

<210> 16249
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16249

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atataacgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgaatcctgt catatatcga gacgctcgaa attgaatgtt 180

gaacctctga gcgaattcaa acgacaataa ctttttactc agatgtctga tatagtctcg 240

taatatatcg agacgctcga aattgaatgt tgaagctctg agcaaattca aacgacaata 300

actntttact cggatgtctg attgagtccc gtcatacatc gagacgctca naattgaatg 360

ttgaagctct gaggaaattc taacg 385

<210> 16250
<211> 432
<212> DNA
<213> Glycine max

<400> 16250

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aagttaatgt cgtttgaatt tgctcagagg ttcaacattc aatttcgagc gtctcgttat 120

attaaaggac tcaatcagac atccgagtaa aaagatattg tcacctgaat tggctcagag 180

cttcaacatt caatttcgag cgtctcgata tatgacggga ctcaatcaga catccgagta 240

aaaagttatt gtcgtttgaa tttgctcaga gcttcaacat tcaattttga gcgtctcgat 300

gtatgacggg actcaatcag acatccgagt aaaaagttat tgtcgtttga atttgctcag 360

agcttcaaca ttcaatttcg agcgtctcga tatattacga gactatatca gacatctgag 420

taaaaagtta tt 432

<210> 16251
<211> 389
<212> DNA
<213> Glycine max

<400> 16251

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aaattcatgt tgatctcaca aatcggagaa caggacttac caaataggaa atgaaactta 120

catatttagt ggacctacat gaatttcacg ggttaaagaa gtatattaga taatgtgttc 180

ctagcatttc tcttgttata cttataatgc ctatactaca gtttttgttt ggaaaatgtc 240

caggaacacc ttgcaagatc ccttatggcc gtgggcacat tcctggcttc atcagccaag 300

ataatataag agttggggac atcatcatca aagatcaagt cagtattatg actctaatta 360

gtactgtgat tggttgggct ttatgtgct 389

<210> 16252
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16252

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aaaatcaaag tgatcaattc taaaagttat aacataaggt acattgatag ttccatccat 120

aaagggttta cttaaagttg cggatctgaa agtggtccag ccatcaacga cacttctgtt 180

gccagtaata actgtaacat cctttccatc gccaaacaga acaatattgg tcttataact 240

tgggatttca acattttcct cgtaagtccc ttctttgaca tagatcactg tcctaccagc 300

actgtcattt ggagcaaagt tgatagcctc agtgatgaag ctaaagtttc ccgttccatc 360

agcagccaca acaagctctc ctccatcatt gctntgcaag agacggcgaa cggttttcat 420

cgacaaccac aac 433

<210> 16253
<211> 386
<212> DNA
<213> Glycine max

<400> 16253

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attctttaga atctaacaag acctgacatt tagtagactt gcctcctggt tgcaaaccaa 120

ttggttgtaa atgaatcttg aaaaagaaac taaaacctga tggtactgtg gataaataca 180

aggctcgcct tgtagccaag ggttttaggc aaagagagaa tgtggatttc ttcgacacct 240

tttcaccagt tactagaata acatctattc gggtgctaat atctcttgtt tctattcaca 300

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aaatctatat ggagcaacct gaaggg 386

<210> 16254
<211> 421

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16254

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tgaatgagag tcttgtgaga cacaacttaa agttcaactt ctctcccttt ttcttccttc 120

aatttcatgc tccccccctct ccctttctct ccctctttat tttcctccat tgaagcatcc 180

tctccaagct tcttatccaa ggctcatctt ggtggtgaag ctccttcttc catggcatat 240

tccctggtgg atggcgcctc ctctcaccgc ttctcctttg tcttccgctg catctccatg 300

gtggaaaatc accattaaag gacctcattg aagctcanag atccagcctc catagaagcc 360

ccacaagcaa gcttccatca agtggtatca gagcacaaga gcttcaagta ggtgctcctt 420

a 421

<210> 16255
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16255

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actttgattt ctagccgtgt atttggctat attattatga catttgaaca atttagtatt 120

tcttttattt gcataatatg attgaacaat tatgaattat gctttatgac tatgtggttt 180

ttatatattt gatatattca tgtttcttgc ttcatgattg gattagattt ttccaatgaa 240

tgtcttgtga atgattagta atatatgtat gttttatatt tgttgcacac tttggctttt 300

tgttgatgcc aaaggggggag agaaatagga ttaaatcaag aactcacata agaaattaac 360

ttaatttcaa gtgaagc 377

<210> 16256
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16256

Sep 20 04 02:45p p.50

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aaaggatgta actcttcaaa aagtttttga ctttttcaaa ttggttttag gtttttctaa 120

aagttataac tcttctaaat ggtcctcttg gcaagacatg aagagtctat aaaagcaagg 180

ctttgatttg cttttcaata tacttttcca atcaatctta taaaatcctt tacaagcctt 240

gaatctcttt gaacttcttc ttcttctttg tgccaaaatc tttccaaagt tttctggttt 300

tctaaacctt gaaaacttgt gccattcatc ttttcattct cttctaccat tgccaaaaag 360

aattcgccaa gggctaaccc cctgaattct ttttgtgtct ctcttctccc ttctccaaaa 420

ga 422

<210> 16257
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16257

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aagaggaaat gaatacattg aatttatctg gcaccactat atgtgcattt tcgctatcaa 180

tgtcatctct ccccaagctt acatatttgg atttaagtga ttgtagattg attgaaagac 240

ttagccttca ctcaaaatct ctctcaaaac ttaatctaag tggttgttca tctctcttgg 300

aaatctcagt ggcgtcagag gaaatgacaa atataaaatt gtattaaatg ctaagagaac 360

ttaatttana agattgt 377

<210> 16258
<211> 425
<212> DNA
<213> Glycine max

<400> 16258

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gcaattattt gaagtggtgt caatcttgaa ggtgaacttt cataaaattt gtttggcaat 120

tatttcaagt gatgtctatt atcatcattc tactttataa acatattttc atatatggtg 180

tatagcaact ataattagaa ttactgtagg ttgggaaaaa tgaaaatata tattctactt 240

gcttgttaat ggcttaagtg aggctacaaa gatttttccc tttcttttta ttcccctatt 300

ttttcttgct tagttctatg ttactttcat tttggaaatt tcttttatta atcttctaaa 360

atatttctta cagaatcatg ggtgatgttc tacccttcaa gtcttcaaga gttaagattg 420

agatt 425

<210> 16259
<211> 379
<212> DNA
<213> Glycine max

<400> 16259

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actgctaggc tatcaatttg aagttaagta caaacctggc ttagagaata gagccgctaa 120

tgctctgtcc agatgtcatg gtgaggtaga aatgaattct attatttctt ttcccttgtg 180

ggctgataga cagaaacttt tggatgaaat aactaatgac ccgtacattc aaaagttact 240

gaaagaagtg caggagtctc ctgatgttag acctgagttt caggtgaaac atggagtttt 300

actttatcat ggcaggctgg tgatttcccc cgaatcaccc tctattcctt ggctattgga 360

agaatttcat agtactcct 379

<210> 16260
<211> 424
<212> DNA
<213> Glycine max

<400> 16260

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aagaaataat attcgacaaa aatataagag tttgagataa aatttgtcaa ataaataata 120

ttatgatctt attaaaatgt ttaatggggc ttaattttaa aaattttcta agttttctac 180

cataggagct ctttttttca ccccatccat gttgtcacat gtgggtgaaa agaggaaaga 240

gagggatggg atttctcttg ctttaagcat aacgggccaa agtgggaggc ccacacgaat 300

ggttattagc tcagtagtaa agtgtgtcct tgataattgt gtctgcttgg agtggagtga 360

gacatgtcat tgaatagcaa ggagatagcc acttcgttat gaaattagaa aagttaagag 420

ccct 424

<210> 16261
<211> 363
<212> DNA
<213> Glycine max

<400> 16261

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ggacccccccc acatgcagag gcttccccat cccaagttca accctctcaa gaccaagcct 180

cgaccactgc gacagaatca gttatagatc caattgagca gaaaattcaa gtagcaaaac 240

ctctaaaatc attgtcatac cctaatttcg tccggggatt attatttgat gctatacaac 300

ctttgattgg ccgcttcgag atacttggca ccctttgtta cacaatatgt gaagtcccga 360

gac 363

<210> 16262
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16262

tgtgcctctt cacgtccgga atatgaatgt agcttataga tccaaagacc cttaggtgct 60

ttgctgatgg cttcttcccg ttccaagctt caattggagt catgtctttt acagacttag 120

ttggacatct gttgagtatg taaacaacat tgtagattgc ttcagcccag aatgtgttag 180

gtagtccctt ctccttgagc atcgatctag ccatttccat aactgtgcaa ttctttctct 240

cggacactcc attttgttaa ggagaatatg cgactgtaag ttgtcgctca atgccttcat 300

cctcacaaaa tctttcaaac tcgcgagagg tgtactctnt gccgcgatca cttcttagta 360

cttttatccg ttttccactt tgattntcag caagggcctt gaactttntg aatactccaa 420

ag 422

<210> 16263
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16263

ccctcccgcc tctggatcta ataaagggag ttccaaacga ctatgcatca catccgcccc 60

gacncatgag cttgatgatc cttgacccac agggcagtga ctcgtagagc gaaccaatag 120

atgcatttgg ggcattcact cacaaggaga tgcagctgcg ttcgagacgt aaagcagatc 180

acgataagca cccctagaca acaagacgtg aaggtgacta gccaactatg acagaagaaa 240

caataagaac tactgtacat gcatagaacg aatgtgcaac catggatcaa gcaacatgaa 300

taggcggata ggaataacac cgacaataca tggttctgag gtgcatgatg ggacaacatt 360

agtgcaagca atctcctgag aagggaaagg aataaccgca tgtcatatgc ttgatgcaca 420

ctgaggctct atggtcgagc cttagggcga gagaaatatg atcaaaccgt gaactcacat 480

aagaagatat acttagttca agtgcagccc g 511

<210> 16264
<211> 162
<212> DNA
<213> Glycine max

<400> 16264

aagcaaaaga catgcacacg taactagtta tgcgtagatg acagtgctac tatccgctat 60

agcaccagac ccactccagc gtatggtcta tacaggcgtt attataatgc gacactattg 120

cctttgcaca gttatttttcc ccatgagtgc caatgatatt at 162

<210> 16265
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16265

cggcacacgn atgaagcatt gattgcctcc atngacatnc cgcnaangac accgggatac 60

tctagagatc tacctggagg catgcgtttc ttgctttctt tatcgagcgc ccgaatagag 120

aggaactcaa tatcacgtgc tgaatggaca aactggtagg ctgtcatacc gcagaatatc 180

accaacccgt cttaaacaga ttagcctgta atgctctgcc cacatgtcat ggggaggcac 240

aaaagaagtc tatcaattcg tttacctcgt gggctgatac accgaaacta ttggatgaaa 300

taaccaccga cccgtaccct cagacgtaac tgaaacaagt gcatgagtcg tccgatgtca 360

gacccgagtc atatgtgaca catggagaat tactttatca tggcatgctg gtgaattccc 420

cacgaatgcc ctctattcct tggttattgg tagaattccc tacctcctcc cc 472

<210> 16266
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16266

gacactgacc ccagtgaagc gttgaanttg angtgttgac atccacaacn ttnanaatat 60

ccagacctca gtaacatctg actattatgc ctacacgatt ttctttaggg aggcaagacg 120

caagaaggag atgggatcac cttcgcacca acagctccac acacaatcct gtctctcaaa 180

agtatgatga agctccccaa aaagatctag agagtcctcg atatcgaacg atgtatctct 240

gagccaccat aggagacctt ttttttaccc catgcatgct gacagatgcc ggtgaaaaca 300

cgatacacac gcatgggact tctcttgctt tacgcatatc cggcctacat cgggaggtcc 360

acagcaaggt gttatcagct tacccaatat attgagacct gtttaaatgt cgtggcttag 420

acctgacgca atcaagtcac tcataagatc gagaggacgc cttgcgatac aataaacaat 480

cacgaggccc tct 493

<210> 16267
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16267

agcttgtgtt ttactcaaca tggatatgca tttgtgcttg tgatgcaaga aaattttcct 60

cgacgcaccc caactcatca ggtcattatg attacttgta aacttttttgg gttatagata 120

taaatagaat tctaatattc ttaaatttta attcataaat gtacattaac agaatttana 180

aataaattat aatatagaag acactatatg gaaaatgcat ggattccata tggaagtggt 240

aacagacagc tgtatgactc tactatttac taattactat atgaataaac tctccccttg 300

cactc 305

<210> 16268
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16268

nttaaactaa tttaattatt gcttaagaat tttatattca tctatgatgc acttgcgaat 60

caatcaaaac catgcacacg taagttggta tggtatgatg attgtgccgc tattcactat 120

tgcaaaagca ccttttcacg tcatggtatc tacatcggtt atcaaaaacc gatgtaatac 180

ataatgcagt gctattttcg taattaacgc caattatatt atgccgtcaa cgacggtttt 240

agtgaaaccg cctttgattt taatcttact aaggcggttt ataaagacc gtcttagatt 300

caagtgattt ttaattattt tatttattgg aaaatgattt ttaattataa aaactcatgt 360

tggacactgt tcccatcttc gtaaacccta aatccccttt tatatatgca gttggcgaag 420

aagcgagccg acaac 435

<210> 16269
<211> 390
<212> DNA
<213> Glycine max

<400> 16269

agctctagca tgtgtctccg tgatagaagc catttgatct tttaaggctg ataggtcgac 60

cttcatctgt tcttgcactc cctcttcatt atccattttt ctggattgag tgttataagg 120

gtgcctttgc gctttttag ttatggcgag ttccctaaag aaacaaacaa tggtgagtat 180

gccaccaaaa catgaatatg ctaatgaatg atcagagcac ttggattcac ctcaaggcct 240

tttatagata acgtgatgag tttcagaact tctctgtgta taaaaaggaa caaaactttt 300

atctagccaa gatcatacca aagtgttata acagaaccta acggtttcta attatatggg 360

ccatcaaatc tatcatgtgt tgacagtaat 390

<210> 16270
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16270

tctacttatg tggcagagcg ggcttccttc actttcttgt ctcaaccgct agctttgacc 60

accgcccttc cttcccgcga tgcttctctt tacatctgcc tgagtgggct tatagcctaa 120

accatacttc ccacgatttc ctttggcatt tatcaggcca gttatgccgc cattgtccct 180

gcctaaaccc attccgggtt cgtaaccgtt ccccaacata actcgggcca tcattactgc 240

tgcatcggac aggcaaggct gcctagagaa ggagtccacg gaggaaatgc ttaccacttc 300

aaaagactgg aaagcggttt ctaatgactc ctctgcggct tccacataag gcatagagga 360

tgggcagctc accaagatgt cttcctcgcc tgatacgatg accagatgcc cttccactac 420

gaatntcaac 430

<210> 16271
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16271

agcttcaacg ttcattntcg agcgtctcga taagttacgg gactcaatca tacattcgag 60

aacaaagtta ttgtcgattg aattatctca caagttcaac attcaatttc gagcgtctcg 120

atatgttacg ggactcaatc agacatccga gggagaagtc attgtcgctc gtattggctc 180

acagcttgaa cgttcaattt cgagcgtctc tatatattac gagactcaat cccacatccg 240

aatacaaagt catggtcgtt tgaatcgcct actagcttca ccattaaatt tctagcgttt 300

t 301

<210> 16272
<211> 295
<212> DNA
<213> Glycine max

<400> 16272

ctttagccaa ttcagacaac aataactttt tactcgtgat gtcttattga gtcccgtaat 60

atatcgagac gctcgaaatt gaatgttgaa cctctgagca aactcaaacg acaataactt 120

tttactcgga tgtctgattg agtcccgtaa tatatcgaga ctctcgaaat tgaatgttga 180

atctctgagc caattcaaac gacaataaat ttttgctcgg atgtctgatt gagtcccgtg 240

atatatcgag acgctcgaaa ttgagtgtgg aatctctgag ccaattcaac gaaca 295

<210> 16273
<211> 389
<212> DNA
<213> Glycine max

<400> 16273

agctttttt tcttatttca ataggcatca acatgaagtc tatcaacata agttaattaa 60

ataagtgctt aatcgagatt tttgaactaa atgtgcccta acatgagttc agtgatacaa 120

gcacactaga aaatgatgtc ataacatgta tcaattgaat gtttgaatgc aaaaccaatt 180

ttttgcatga agttctccag taccatcatt ttcaggggac ccgctgccac aatttaattt 240

caaaattgcc aatcggtaaa tcacatcatc tatactaagc tacgtaaaat tcatatacaa 300

ttaacaccac taatagaaca atgcatgaaa atcccctacc atgtaaagat gctgaataat 360

aatgtacaaa tcactgcaga aacattgag 389

<210> 16274
<211> 446
<212> DNA
<213> Glycine max

<400> 16274

agcttaagct gtaacactga ttcataagaa tatgatactt tcttcccaca ctttcttccg 60

ctgagtatgc tggagctaag caagttacga ctctttttcta ctggaactgg gatacacctt 120

cccgactatg ttagcggcta tcgctgctga cgttccatga ctggtggacg cacaccagcc 180

tactgaagaa actcgacaaa aagcgttgct gtctccagct gcataggtga actcttgaca 240

ttgacagtga actgttgccg aaatatggta ggaccaatgg tgttaacatc agctatttaa 300

tttcacaggc gagttccata tgcatatgtc tctatcccga agccaactca tactccttag 360

tccctcacat caaaacaaag tccaagctct acaaaatatt aacaagtaac tctagatgtc 420

gcagcggaca taacttagat caagtt 446

<210> 16275
<211> 376
<212> DNA
<213> Glycine max

<400> 16275

tgcttcaaga atcaagtttc aaagaatcaa gattcaagaa caatcaagtt tcaagattca 60

atcaagtttc aagaatcaag atcaagattc aagactcaag attcaagaat caagagaaga 120

ctcaatcaag ataagtacta aaaaaagttt ttcaaaacat tgagtgcaca agaatttttc 180

acaaaatctt ttaccaaaga gttttactct ctggtaatcg attaccagta gccaacattg 240

ttttcaaaac tgatttataa agctgtaatc gattaccatc atcatgtaat cgattaccaa 300

tgttttagaa cgttagattt caaatttcaa gagtcacaac tagtgataaa acattttcag 360

atcattgtac acttgt 376

<210> 16276
<211> 421
<212> DNA
<213> Glycine max

<400> 16276

tgcttgagag gataccatga caaacaacat tggtttcctt ctacttccca aatacatata 60

aacagataag cccatatgaa ccaaatgttt ttccatagaa atcatacaca ataatattat 120

gaggaataag gtcatcagta gtcttaccaa atcttctcag cataaatttt ggcagaatat 180

ttatagttgc tccatcatct accaatattt tgttgataat ttagtcctct accatggcag 240

tcaaatttag aggcttcata tgagatttcg tctcatttgt tggtggatca gaaacaacag 300

cattatgatg aaaggtaaaa caagacactt gagtcaccta aacaaccttt gtagttaaag 360

aatgatcttt gaaacactat tcccttgcac aatcccttat cacatgatga gcttgatatt 420

c 421

<210> 16277
<211> 382
<212> DNA
<213> Glycine max

<400> 16277

ttcttatcaa cggtgaccca ctatccaaca ccataggctt cttcatatta taaatattcc 60

tcagcgtcct cttcatcctc ataagaatac actagaacat cgtgaaacat gtcaacattg 120

gctacatcat ctaccactat gtcatccagt tcctgatacc aaagtcatta aaatgcttct 180

cataagattt aaacaaacga aacaacaata ccatatatca ttcattagtg ttaccacaaa 240

aaatgttgac gatgcatcac caccattctc accatgtata tattcacccc ttccactcat 300

atttgtcaca cattacacaa caaacttcct aagtcagtaa ggacaaacca gagcattaaa 360

cgacatagtg tgttcatcat ta 382

<210> 16278
<211> 421
<212> DNA
<213> Glycine max

<400> 16278

atcttgtgga accatggagt ttagcctctt tgttgtacac ctatacagaa catgcatagt 60

tgtcatagca gcctcaccct ataaactatg aggaagattt ttctctttaa gcatgcttct 120

aaccatgttc aagattgttc gattgcttct ttctacaatg ccattatgtt gggggtgtaa 180

tgagcagtta cttcatgaac tataccatgc tccttacaga aaccttcaaa ttctccagat 240

gtgaattcac ctccaccatc tgttcttaag atgttaatgc attttccaga ttgcttcttc 300

acaagagcta tgaagtcttt aaaaatgttg aacacatcac tcttggcttt gattgggtag 360

agccacacct tcctgctaag atcatctaca aaagacacaa agtatctatt ctctcctaat 420

g 421

<210> 16279
<211> 381
<212> DNA
<213> Glycine max

<400> 16279

ttcttgacca atcccgaccc aacccgggca tagtcagtta gtgagaacct gtgatgtacc 60

taaacaggcg agctcttggc agtcaaccga taaaagaaca aagaccacaa agcaaggggg 120

cttgtgtggt ggctggccag ctgtgaatct tgtgtgatat atgggatatg gcctctggta 180

atcgattacc aagggtgggt aatcgattac aaggcttaaa agtgaagaca ggaagctaag 240

atggcctctg gtaatcgatt accaaggctg tgtaatcgat taccaggctt aaagatagga 300

tcaggaagtc gagatggctt ctggtaatcg attaccaagg ggtgtaatcg attaccaggc 360

ttagaaatgg agacagtagg t 381

<210> 16280
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16280

nttgagtgaa acaatgtgac tcttcattnt taaatttgaa tttcaacgtt caaggacact 60

ggtaatcgat taccaaaaca ttgtaatcga ttacagcctt ttgaaaatat ttggaacatt 120

gtaaattcag tttgaaaact ttttcaaact cattttgcga ctggtaatcg attacaacaa 180

tatggtaatc gattaccaga gagtaaaaac tctttggtaa atgtttgctc aaaaactcat 240

gtgctattca aagttttgaa aaaacttttt aatacttatc ttgattgagt cttttcttca 300

ttctttaatc ttgagtcttg aatcttgatc ttgattcttg agatcttgag tcttgattnt 360

tgattctagg ctttcttctt gagtcttgaa ttctccttga ttcttgaact cttgactt 418

<210> 16281
<211> 381
<212> DNA
<213> Glycine max

<400> 16281

ttcttgtctc aacgtttatg cgagacggag accaacatgc tagctatcat cgccaagtac 60

cgagaagagt tagccatggc ccacgagcat agaatcgcgg atgagtatgc tcaagtatat 120

gcggaaaaag aggctagagg aagggtgatc gactctttac accaagaggc aaccatgtgg 180

atggaccggt ttgctcttac cttgaacggg agtcaagaac ttccccgatt gttagccaag 240

gccaaggcga tggcagacac ctactccacc cccgaagaga ttcatgggct tctcggctat 300

tgtcagcata tgatagactt aatggcccac ataattagaa atcgttagga aacttgtatg 360

gtctctcaga ccttgactag a 381

<210> 16282
<211> 428
<212> DNA
<213> Glycine max

<400> 16282

tccttaagaa gattcctaga gtagctagag cttatctaca cacacccctc taatagctaa 60

gctcacttcc ttgagatgag aagctagagc ttagctacac acacccccct ataatagcta 120

agaacacctc catgccaaaa tacatgaaaa tacgaaaaag tccctactac aaagactact 180

caaattacct tgaaatacaa ggctaaaatc ctatactact agaatggcca aaatacaagg 240

cccaaaagaa ggaaaaacct attctaatat ttacaaagaa gagtggaccc aaccttggcc 300

catgggctca aaaatctacc ccgaggttca tgagaaccct agggccttct tttgcagctc 360

tagcctaatc ctcttggagt attctatcaa ataccccttaa ggggtaggat tgcatcacaa 420

gatcaagt 428

<210> 16283
<211> 364
<212> DNA
<213> Glycine max

<400> 16283

ttctttttttg aggatcttgc ggactgcgtg tgtcatcata cctttaatgc cttctcctac 60

aatcctgaac agcagaggaa ctaggggata cccttgactc cacaccattg ttgttgataa 120

accttagagg ggatacgcat taatcccacc tcacatagat gctgattcgt tgcttgctga 180

tataccggac cgttcttttg tgcataaccc cagtctaaac aacatatata ccaaaactga 240

cccagacact gccacgatcg ccttttttaaa attcaccttg aagatagtca ttggatactt 300

gctattgctt gcttcctcaa ccacctcatt gataatcaca tgactctgga agatatgcct 360

acct 364

<210> 16284
<211> 418
<212> DNA
<213> Glycine max

<400> 16284

cgcatgtcta taagatggct gcatgcggaa ccacaccttg atgaagggag gctgccactc 60

tctctggctg gtctgaccat cttcgactgt gagaaagcta aagaaactgg actacatggg 120

gctgtgtaag ctctcctatg tcacgcgact gaggcttgaa gactgcccca acctaccaca 180

gctaccagag gagggtcttg ccacatccag atcatatcta cttattatat gctgccccac 240

cctcgagcag cgttgccaga accacagagg cgacgactgg ccaaagattg ctcacagtta 300

cagcacttcc agacccctgc ataatttgat agaatcacgg taatgatgct gattctcaag 360

aatcatcatc aaacttttttc ttttatagta gatctgaatt atcatgaacc ttctacac 418

<210> 16285
<211> 367
<212> DNA
<213> Glycine max

<400> 16285

tttcttgtgt ctgaaaaatg tggttgttgg ggcattaaat gcgtgcattc aatgcacata 60

cttcttcatg ctagaaaacc actctttgtc actcgtgtct tgaacactac aataggaaac 120

cacttccttt tgtgttagaa catgtttggg caatagaact cttcttttga tggaaattga 180

aaaatttttag aacttgactt catttattct tcatatgatt cgataaatca taggagaatg 240

tctttgcaaa atagatctta aacacagagt attaaatgaa gtctaatgaa aactctaata 300

ttgtatcaga tcatgattac atcttgctac tatctggaac atcatacgca aacttctggg 360

aacatgt 367

<210> 16286
<211> 421
<212> DNA
<213> Glycine max

<400> 16286

ttaaaatttg aggccactca taatttattt cactgttttg actaataatc taattaaaat 60

ggcgaggagc atgtgagggg attctaattg ttgtcctatt caaacatatg ttagtaaaag 120

ggttatttct atgtgcgtag tgatcctatt atgatatatg ataccatttt caaaactaga 180

cacacaagga tttctatagt gataactttc atgaaattac attaagagat gattgatata 240

ttgattttat aagatgatgg tactgcaatg caataaaata agcatgtgct actttttat 300

ttattatgaa ttatgtggat ttttacttgg actttgggat accatttcat gaactagatt 360

ccttatgctt attggatgat gttacatgat aatttattat gtgattgctt ctataatgag 420

a 421

<210> 16287

<211> 359
<212> DNA
<213> Glycine max

<400> 16287

tgctgtctta gcacagaaga tcacatgtcg gagagtatta ctgaacttct cataggcacg 60

gatgatggca tgctattgaa gataatccga tgaaatagca atatccatgg ctctatgcgg 120

ccgaggcagc cgctggacag cgctgaatct ggtgatatca ctgtgatgat gacaatcggg 180

atcgacatcg gatgggtgct catgcactac tagggactcc ttgtgatgag atgcacaccc 240

atggactgag gcaatatatt tgcgaggcag ggtgttcaag ataccagctt cattgataga 300

ctgagagcgc atgaggtgct cgggttcatt aaagcactgg agcgttatct aacgcccat 359

<210> 16288
<211> 292
<212> DNA
<213> Glycine max

<400> 16288

tgcatgatgt acattctcca cgttgcttat tcatattcta cgtgacacga tcctgatctt 60

gatgatacta cactggcgcc atcaaattac tctaaccgga atatactcac atgaaatagc 120

ctaacccttc gagatctatt cttgactcct aaccagactg gttataagtg agctgcacta 180

tgcacaagag acaccattaa ctagataact gcgcattatg tctagacatg cacacatgta 240

gctgctctag caaggactaa agacttcaag cattttccag tacgcaaaac ct 292

<210> 16289
<211> 370
<212> DNA
<213> Glycine max

<400> 16289

ttcttggaag catgctatga tgctgatgtt agaaaaatta aatacgacag gaactaatac 60

ctgtacaata gaggaatgaa ggtagaagtt gtgaggcaca agagttgctc ctaatagact 120

catcagcaca aatgcactct ccccactcaa ctttgttagt attccattaa tggataatgg 180

aatgtctggt tgattaatga gtgttccaag tacaaacgaa agaaatacaa aacctgacac 240

aaacaggccc aggatcttca ccttctcaat gtcctagaga aaggatatat cataagtgta 300

ttgtcggtca acagagattc atgaataaac aaataatgat acttaccagg agggcatata 360

gaaggagatg 370

<210> 16290
<211> 373
<212> DNA
<213> Glycine max

<400> 16290

acacccgctt tttccttatc tttacaagaa acgaacgaga aaagcataaa caaatatttc 60

aactgcccac tggccttaat gcgaataagg gagtgcgatc atagcctact aaagcgtgtc 120

acgatttatg tggacgaatt gaatgactaa gctacatatg ttgcccgaat gatgtagatg 180

gaatgataca gatgtcgttt gatttgaaga atgggttgtc attacattag ataaggtgaa 240

agatagtact tatgtactct agtctcaatc tcaattgatc cacatcgaaa tgcgagctta 300

agactttata atgagtggtt tataatgcgt tgcgtgagca gttatagatt caggtgcatt 360

aaattaatct tac 373

<210> 16291
<211> 372
<212> DNA
<213> Glycine max

<400> 16291

tttcttttgt ccatgcattc ctaaagtttg gaacagtgtc ctaacaacag aatttctcac 60

ttgcaaaaca aaactttcag taccagaaag ctttaacatc cagcaacaac aatagtagag 120

agaaatataa gtttgatggt ctattgaaat gggttttgtt ctattgtcca aatttcccta 180

atcggtatac aagtagtaga gagaaatgga agtttgaagg tctatttaaa tggttgtaag 240

ttgtaacatt tatttaggga gaacattagg tttatgaatt atggtcttct tcgtcatgca 300

atgaaaccca atcttgatac acaatagacc caaggaatga agcctagatt tctgctatat 360

tatgatttct tt 372

<210> 16292
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16292

nttgaggttc tggaataatt gattatcaaa tgaggtaatt gattgtttcg tcacacaaaa 60

agcttataaa gtttccagac acaatctaat cgattactaa atgtggtaat tgattatctc 120

gagccacaaa gtcttccttc ttctaaaact ggctttataa tcaattacta aattgataat 180

tgattaattc gatgacttta gccaaatttg aaatagaagt gactttagcc aaattaagca 240

acacatacac caattaaccc cttgttcatt aagcacaaac ataatttaag cacataggca 300

attaattgaa cacgaagtgt gcacagatta acagaatgca tgtgggttaa ttggtgaagg 360

gaaaaccgat atgagagcac cattaaaaat 390

<210> 16293
<211> 379
<212> DNA
<213> Glycine max

<400> 16293

tatctttgga ttcagaggaa cagatgatcc tcccggaatc actgcaagta aattatccca 60

tcctcctcga atacctccac agtgcctctc tatcaactcc ttcagtggaa tactcatttc 120

ctcctcaaca gtgcaaggct tgttcacatg ccccgacaca caaaacaact ttgtcccagc 180

attgttcttc ctaccaaaac tggcaaacca ttcaggccca cgccttagaa tggttggaga 240

aacagcaaca gtttccacat ttgtgacagt ggtaggacat ccatacaacc cagcattggc 300

tgggaagggc ggcttcaatc ttggtttacc ttgtttccct tcaagactct ccaagagggc 360

tgtttcctca ccacaaata 379

<210> 16294
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16294

tgttaaagaa cgacgtaatc attaatcact agttgttaat tatcactaga gttatttatg 60

cattaaagac tatagcaaca aaaagaaagt cgtattcccc agtcagaaaa aaaatggtat 120

ttgctcgagt catacgatca agtctcgtta cttcagatat aaatataagg agaatatcca 180

acaatggtat gaaattatgt cgtatacctt ttcttcaata tggatttaag cacccagcct 240

tctaagaaag tatatagatg gtttgctaga agatgaaagg aaaattaaat ttgtgtttat 300

gatacaagaa aaacaggctg aatgaaagtt tctcaaggga tgagaactga aaaaagaaag 360

atatttcatc ttanattatg ttctcttaac acaattagtt ttatgtacat tataaa 416

<210> 16295
<211> 378
<212> DNA
<213> Glycine max

<400> 16295

gtgctttcat ctagccaaga ttatacaaag gtgttacaag agaacctaac ggtttctaat 60

tatttgggcg atcaaatcta tcatgtgttg atagtaattg attagcccat gaatctcctc 120

gggggccgta cacacttcgg ccatggcttt tgctttggct aatagacgcg ggaggtcttg 180

acttccattc aaggtcaagg cgaacctatc catccacata gtcgcttctt gatgcaatgc 240

atcaatcacc ctcctcttg cttctttttc ggcgtacact tgtgcaaaat cctccactag 300

cttttgttca tgggccacag actggttcaa ctcttccttg tattgcccta tgatagctag 360

catgctttgc tccgtggc 378

<210> 16296
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16296

tataagaaca aaattgccta aatcatttcc aaatatgcat gtaaattatg aagcatcaac 60

aagaatcaag ccaaggctat tgtgcaagca atcaatgggg caaaacacac caaaagatta 120

tgatgatgga tggctcaaat tctcacaaag gtaaacttat cactttcaaa actatcatga 180

catgtagagg aaaaacaagg atttcaaatc acaaaatgtc aagagactnt tattttaaga 240

acaattaccc attatttgaa catatcctat aattcaaaga aaaatatgca aagttgttca 300

tgcaaacaaa attgacctaa aatattaaac tagaaaccca acaaagctaa caaaactaac 360

aaatttaaca caaacaaaac taacaaaact agcaaaacca aaaccaaaga acacttcccc 420

cc 422

<210> 16297
<211> 230
<212> DNA
<213> Glycine max

<400> 16297

gccgacaagt tgggacctca tccaatgtct cacctttgca aggagctatg ctccagcgat 60

ttgactaatg aataccctaa ccatctcaca ctaattaatc tactatatac gccttctcca 120

caataatcta attaagatta tgacatacat cgcattaggt atgagtcttg catgtactat 180

ccctcattcc gcactaattg acgacgaccg tggtgagaca aaaatcatga 230

<210> 16298
<211> 505
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16298

caccatactc cactcaccgc cacactcggg acactccaga ctacactaca aaaacaacag 60

acagcgtttt gatcgatcca ttgcagngca cctatanaac actcaagctc gagccaataa 120

tgccatgttg agggccaaac cggtcttgta tgtcagaacc tatgcactta aatcacaggg 180

ccgcgacaag gagccaaccc acgcaccaat acactcaacc agattaaacg agcctaaaca 240

acgcccaact cacactggac ggaagtaaca tggaacaata gggggacgaa cctaccaaga 300

aacatcatcc gggacaagaa caaaataacg acatgtcgcg caggcacacc gagaacaaca 360

ttactcaccg tgaccgaaga tctctcaccc tcgccccaat ggacatagtc catccgtatc 420

cgcacaacgc cgaactttcc acagggacga tcatgaagcc agaactaatg aaccaagaac 480

aatctagcaa gctaaaagaa cacgc 505

<210> 16299
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16299

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cagtatccac cagaatatgg tatggaaggt tggttgtggg gacaaaatca aattttggca 120

agattcttgg ctgagtgagg actgtaatct tcagcagcag aagtataatc aactcttcat 180

gatcagtaga cagcaaaatc tttccatttc taagatggga aaactttctc agaacgtatg 240

gagctgggag ttcaagtgga gaaggagatt atttgaccat gagtacgcgt tggctgttga 300

tttcatggat gaaatttctg atatctctat ccagcatcag gttcacgata ccatgctttg 360

gaaagctgat tctagtg 377

<210> 16300
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16300

ttgcagcgta tgccactcta ctctaaattc ttgtttgata tgttaacaag gaagcataaa 60

tatattcatc aagaaaacat catagtgtaa ggaaactgca gtgctatgat ccaaaagatc 120

cttccaccca agcataaaga tcttgggagt gtaactattc cttgttcaat tggagaagtc 180

aatgtgggaa aagctcttat tgacctgnga gctagtatca atttgatgcc attctccatg 240

tgcagaagat tgggagagtt ggaaataatg cccattcgaa tgactttaca actagctgac 300

cgctccatta gcaggccata tggagtaatt gaagatgtgt tggtcagagt aaaacattnt 360

atcttcccgg cagactttgt ggtgatggat atctctgaag atactgacat ctttgtaata 420

tt 422

<210> 16301
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16301

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gattgacctg catggacggt ttccttggat tctgcggaac cgatgatcgc aacggggtct 120

ctgctccata aatcttccat cctacacgaa taccttcacg tcgactaatg tataaacatc 180

tctagtggaa aatcctctat actcataaca gtgcagaggg tcgataaaat atcctcttat 240

tccattcgac ctgagtccac caatggcgta ttcctatcca taaaggatat ggaagcatgc 300

aacgagtctt taaatgtgtg gacaatgaac caccgattcc agcagtgtgt aagggtgctg 360

aaatctagtc taactagcgt tggaagggaa aggcagtttc aaccctgcta tagcttgtga 420

acgatatata caatactgga cggctctacc tccccgatac ac 462

<210> 16302
<211> 337
<212> DNA
<213> Glycine max

<400> 16302

gaggaattat ctgcttcagg cccttaatcc gctggaggaa gagctcttac atcccagttt 60

gttttcctac gacccacggg aagacttccg cacatgcagc gctcccagtg aaataaaggc 120

ttgcccttct acgatagtta cgccggcgat tttgtacgaa gctcccctgg gacgaaattg 180

ccctaccttt ctcattggtt aagaccacct cctaatagcc ccagcgtgtc aaacaacgat 240

attcagtcgt ttcgatctaa cccccgtcca atatcaaggc ggggcgacat gaagataccc 300

ttaaacgctt tacccaaaat ctggcttcca tctgacc 337

<210> 16303
<211> 366
<212> DNA
<213> Glycine max

<400> 16303

ttcttgtaat aaaaaacaag taaataatct ttacttagag atgaactaac atcttttgtc 60

tgacccaaac gatgagctct atccatcgcc tgtagatcca atgttggatt ccaatcactc 120

tcgtaaaata tgactgtgtc agcagctgtc aagttgatac ccaatccacc agctcttgta 180

ctcagtaaga acacaaaaat atcactcctg aaacagagat ataaagaaac aagtcatctt 240

cagtagtctc accaaagtag acacattaaa gcatgacaac acagacatta cctgtgctgg 300

aagtctctaa ccatgtctct gcgatcctga atagtggatg acccatcaag tctaaaatat 360

ctatat 366

<210> 16304
<211> 393

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16304

tgtcaaaaag ggaagcaagt tagaaactct tttcttagca agaacattgt ttctacttcg 60

aaaccccttg aactacttca cactgattta tttggtccct ctagaactat gagtttgggt 120

tgtaattact atggcttagt tatagtagat gattactcaa cgttcacatg gactttgttt 180

ttgaaaacaa aaaatgaagc ttttgatgct tttcgcaaac ttgccaaggt gattcaaaat 240

gaaatacgtc ttaacattgt ttcacttaga agtgatcatg aaggtgaatt tcaaaatgag 300

tcttttgaaa tattttgtga agaaaatgga atttaccaca attnttctgc cccaagaaca 360

ccccaacaaa atggtgttgt ggagaggaga aat 393

<210> 16305
<211> 369
<212> DNA
<213> Glycine max

<400> 16305

ttcttcatac aattaatata aaacctatat cctaatgtca catcctatca gagcgttgtg 60

tccccgtgtc ctctagcatg aggttcttca tagtcatcca cctattcatc tgctcccccg 120

aacacacgtt caagatcatc acaggatcca aacacaacaa cacacaggga gtgagttatc 180

acattcctag ctaatagaga aacaagacaa ttaaatatac atattatata aatgagatac 240

tacttgctta aacataactc acgtaatttc atcacgttgt cattcaaaat tcactttcaa 300

tcatcaatca cattacacaa gaatctcaca ctccaatcaa gatataataa cacatcaatt 360

tcataataa 369

<210> 16306
<211> 410
<212> DNA
<213> Glycine max

<400> 16306

tatcaatgtg gcagttccgg ggaccattgt ctaattggcg atcaatacaa aaaaaatact 60

caatccatgg gaaaggaatg aaaatcacac actttgcctc aactctgcta aagcaattgg 120

atgtacagta gtcaacattg gcacccagga cttcattgaa ggaagggtat gcttgtaggc 180

attcaagttt ccacccataa aagcagaatt attgtgggcg tgtacactgc agaacaacaa 240

aatttaagat taaatttaat ttataaatga aatcctttgt taagttatga aataggaatt 300

tttttattct aaaatcaaat cctttggtca gaaagttata agaatttttt ctttttttt 360

ttttaattta ggtgtgatac tacaaaaaat ctggcaaatt tgatatttct 410

<210> 16307
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16307

ttcttgtttg gtgttttatt ctcttctttt cttttgttat ttcttctctt ttttttcttt 60

tttttgtctt ttctttcttt tttaattgat ccttttttgat tttcttcttc ttctttttcat 120

ttctttttttc ttttcttttt ttttcttaat actttttctt ttcttctatt ttttcatttt 180

ttttattatt ttcggatccg cataaaatta gggtctgaca aagagaataa aaacataatt 240

attctattaa ttatcataat tgtaattctt actcttttcc cactttagat gttaattagc 300

atctggtata tatccaccat tnttctttac ttatttatca tatacggata taggttcata 360

agggg 365

<210> 16308
<211> 380
<212> DNA
<213> Glycine max

<400> 16308

tcagggattt caaattctgc ctgacaaata ataaattatg ttgtattgta agtaaataac 60

aaatttagac tattaaagaa aatcaacaaa gaaaactcac atacctgaat atcctcccat 120

atcaaatcct tctaagcagt agggacttcc ttccagttgt catatgtgac gtcgaccttа 180

tcatgagcga aaatccccaa atatgttctt aatttcttca tgtggggact gtcggccttg 240

ccggtagcag aatcgacgtt gaccgcaggt ctttctgccc caggtggtct agtggccaat 300

aatcgtaacc gtgttgcctt gcgtgtccgc ttcaatgtag atggaaacgg ttatgcgtct 360

gcaggaagag gaggcgagac 380

<210> 16309
<211> 342
<212> DNA
<213> Glycine max

<400> 16309

ttcgcatgct ttcttctagc caaatggact taccttgaat taattccttt gatagcccct 60

ttgagcgttg tttccctttc cttgttttga agctcactac aagccttaaa tgaaaaacca 120

tgatatcacc atatccttaa ggaattttgt aactttggaa ttgttttggg aataagtgtg 180

ggggtttttg tttcattgga taatatgtta gttggctatg cttcatgatg tatttttggg 240

ccatacttga tgtacattgt atattggcta aatgttggac atgctgaatg aaatgctgta 300

tctcaaatgt ttcttgtttc aaaaaagata agaaaagaaa at 342

<210> 16310
<211> 439
<212> DNA
<213> Glycine max

<400> 16310

gtgacctata aaactcagct tatgatgatg aatcagttga ttcagttgtt ttatgatgac 60

taagatgatg acaaaaagcc caaagaatga tttcaagatt caagagaaga agaattcaag 120

attcaagaga agaaatcaag aagacttcac aagggaagta ttgaaaagat ttttcaaaaa 180

acaaacatag cacaattttg tttttcaaaa gagtttttct caaaattttc aaagttacca 240

gagtttttac tctctagtaa tcgattacca gtttcctgta atcgattacc agtggcaaag 300

tttgatttca aaagttttta actgaatttg caacattcca attgtttttt aaatggtgta 360

atcaattaca atatattggt aatcgattac cattgtattt gaacgttgaa attcaaattc 420

aattgtgaag agtcacatc 439

<210> 16311
<211> 321
<212> DNA
<213> Glycine max

<400> 16311

tgctcttaaa ctctatacaa gaatgaagtt ctgataccac tcgatagaca ggtggcctca 60

gatatcttta agaatggggg ttttgaatta agatatcaaa gactattctc caattaaaat 120

tttaactctc ttcttgagtt agaaatttac ccttaatatg aattactcaa aagataattt 180

agagtaaact tctttatagc caatgataga tgacgatata taaaagaagt ttaagggaaa 240

agagaatgcc aactcatgtg ttatactggt tcaggcacac cctatgcgct acgtacagtc 300

tccaagcagc ccgcttgaga t 321

<210> 16312
<211> 386
<212> DNA
<213> Glycine max

<400> 16312

tgcatccact agaagagaat aaacatgtga ttagaacttt gactgaaaat gttagtcagt 60

ttgtcagatt gattgtgaag gaatgcattg accgtatccc ggtgagagtg tgatcctaaa 120

attttgagag aaacgactat catttagtac taatttttgc atgaacctct gaagtatgga 180

ctgaatgcat gaaattgagg atgatgaagg ccatgtttga ttgtgatagt cacttagcca 240

aaaagctgac catgtgcttg aatgattcat ccctggcacc cagtttgagc tgaatgaatt 300

attgattgat tgaaccttga gcctatacag tgttatctcc tactaccttg tgttacgttg 360

taggagagca tcatccacag gaagct 386

<210> 16313
<211> 369
<212> DNA
<213> Glycine max

<400> 16313

tgcttgtaaa gcaggttagg cgcacgccta attattttta atttttataa agacaaatgt 60

tataagaagt gaggctgaat tatgattcta gaagaagaaa aattaaagcc ttttttttgaa 120

aaaaaaaagt taacgtttaa agaaaaactt tgtaagaaaa ataataaatt tttacaaaaa 180

cttgtttaga caatgaaaat agatttcgca gaacataaag tattttcaag atgaaatgaa 240

attcaaaccc ctatattaat ttaaagcaaa agataaatac aattaagaca tataagatat 300

aaagaattat actagtttat ctttaccact aaggctatgt ttaagttttg attaatcact 360

aagtttcac 369

<210> 16314
<211> 405
<212> DNA
<213> Glycine max

<400> 16314

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cagttccttg aacctgattg ttaattttac attgaagaat atgtggggat ttaaaaataa 120

taacacttgt ttaaagctta ttgagaaggt gaattcaata tcaaaatatt agcacatttg 180

atcttctgca acacttatag actagagatt agagattaat tcacatttcg caatcatggt 240

tagcaactct tggacagctt gtggattgat agaacaaaag taatgtaaag gcaaaaagaa 300

cttgactaga aacatatgtg atgaactaag gtctacgcta atactggcaa aaatgtcact 360

gttttttttt tttaaataat gcttttataa ccattctaaa aagct 405

<210> 16315
<211> 384
<212> DNA
<213> Glycine max

<400> 16315

tgctttgagc caaaatcctg actcaccata aaccttgacc cagggtgaga atgccaatcc 60

ttaccctcgg aagcaaaaaa agaatagagg ggaaatttcc aatcaaagaa aaagagaagg 120

aaaatttcca atgaaagcaa aaaagaaatg aaggaaaatt ccccaatcaa agagtgggag 180

aaagcaaaaa aaggaaaaga aggaaaattc cccaatcaaa gagtgggaga aagcaaaaag 240

aaaagaaagg aaaattccca atcaaagaat gggagaaagt aaaaaaggaa gaagaagaag 300

gaaagaaagc tcctgatcaa ggatcgaaag aaaccagaag aaatgtgcag agaggtcttt 360

ggaccagaca atatctgaac cgta 384

<210> 16316
<211> 423
<212> DNA
<213> Glycine max

<400> 16316

tcaagtgata cagacagtga aatcactttt gatgtgcttg ccacatccta tagagaacta 60

tgcatcaaaa gtgagaagat tcttcagcaa gaagcacaac tgaagaaggt cattgcaaat 120

ctggaggctg agaaggaggc acatgaagag gaaatctctg aacttaaagg agaaattggc 180

tttctgaatt ctaaactgga aaatatgaca aagtcaataa agatgctgaa taaaggctca 240

gatgtgcttg atgaggtgct acagcttggg aagaatgttg gaaaccagag aggacttgga 300

tttaatcata agtctgctgg cagaacaacc atgacagaat ttgttcctgc caaaaacagc 360

actggagcca cgatgtcaca acatcggtct cgacatcatg gaacgcagca gaaaaggagc 420

aaa 423

<210> 16317
<211> 165
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16317

agagctttag tttgaatgca cacaatctga ccaaggcgca gaactttctt gagcacactt 60

tctatgacaa anaggagatt caactccatt tgcttagatc tcaatgacag gatacgagtc 120

aaggagacta tgctaagatt gtcacggtaa acaaatgggg ggggg 165

<210> 16318
<211> 417
<212> DNA
<213> Glycine max

<400> 16318

cttctcttct gttcactgga tcgggttcca ggatttgatt ggtaggttca gtaagggttg 60

tgttgatctg caccaagatg cttaatttgc gttgaaaaat tcattcattt gcgagactcg 120

gcatcggaaa tgaaccagtt agttgaaagt tcaacgacta ctcaaagggt atctagagtt 180

caagctccac tggtaataag tcctttccct ccaatttttt tatctgcata ttagttttct 240

tcttttgaat agtataattt ttctccattt ttcagttgca gctttctttt ctttttattt 300

ttttgtgtgt ggataaaagg ttcgatttgc cagcgctgtg cttgagggtt tggttaactt 360

gagttcctat cattctctgc ttgtgtttgg aagagaggca gagaactaag ttgtaac 417

<210> 16319

<211> 372
<212> DNA
<213> Glycine max

<400> 16319

tagcttatat gatatttcat gatcaaggga atgctctttg attagccggt gtgtgtgact 60

gaaaatcttg atgaggatac ctcatcgcca aactatgtga aagctggaag atgggaaaca 120

acggctgtat gtgtcgggat aaacatgaca cccacttgtc ttagccctat tttagtttaa 180

gttgatcgag cacttgagta tacgtcgaaa ttattatact gcaaaactac attaatgcat 240

agaccaagtg aataccgtac gtgccattcg catattcttt ggcatatatt atccattctt 300

taattaaaca aatgccgaat taactaatca caatatcaaa ctgatgcgcc tagaagaata 360

tatattactt ac 372

<210> 16320
<211> 423
<212> DNA
<213> Glycine max

<400> 16320

gcttcttcac aagtacttgc tggagaaaaa gataagttta ttatttgaaa tatgtttctt 60

ctacctaaca cattggtaag gatgtttaag ccgtatacaa ttgctggcaa tacatacatt 120

atgaaagaaa atcaatcaaa tgaccaaact gcttggcaat gacacataaa tgtatcacac 180

atctattgtg ctgtattcaa gaaaaatcaa gcattctaag gccatatgat atcttataaa 240

ctcttctatc actctactga tgatgatgat tcgagaaagc gctttagttc tttgtagatg 300

actgaagggg tacagaatca ccttcatttg tgctgtcacg gtctttccca aaaatcttag 360

atgcattcaa tatctgtttc aatcaacata taatctatca cttacaaaca gtggaacatc 420

ata 423

<210> 16321
<211> 380
<212> DNA
<213> Glycine max

<400> 16321

ttcttgcaag atggaagcaa agaaatctat caatgggggg tagaataacc ctcattaatt 60

cagtcttaac agccttaccc atctatttgc tgtccttctt caagatacct aaacatgtgg 120

tgcaaaagat tgtatctatt caaaggaatt tcttatgggg aagtcaccaa gactccaaca 180

agatcccttg gggaggcgcc atttgcacat gaatcactct tgaggcaaaa atcaaggatc 240

aaatggctca gggaaggtga cagtaacaca tgcttctttc ataaatccat aaattttaga 300

agacattata atgcaattca aggaatattc attgaaagta tatgggttca gcaaccaaaa 360

ttggttaagg aagaagctgt 380

<210> 16322
<211> 418
<212> DNA
<213> Glycine max

<400> 16322

tgttgacacg cggagattta cgtcatcttc cgcgcacact agatctgtca tactgacatt 60

tgagtcacgc tgacgggcgg aaatacccga gtggttatcc gtataaacat tcttttgctg 120

tctgtaagac aaaaagcctg atagcacgca gagactaacg tcgtcttctg catccttcgt 180

caatcgcggc cgacaagccc gttggcacgc ggagatttac gtcatcttcc gcgctcacaa 240

gatctgtcat actgacattt gagtcacgct gacggacgga aatacccgag tggttatccg 300

tataaacatt ctttttgcta tctgtaagat gaaaagcctg atagcatgca gagactgaca 360

tcgtcttctg cacccttttgt tcccccgggg acaacaagtc agttgcatgc agagatat 418

<210> 16323
<211> 368
<212> DNA
<213> Glycine max

<400> 16323

gagctttgac gcattctctc tgtctctcta tcccttctct caatttacac catgatgtat 60

aatagaagct atcaatattt gcttcttcgt tttcttttca actatatttt cgtaggtgga 120

aattatattg aaatcagaac agcatgcact aaacaaagaa ttgtacacac acaatattga 180

agttgcttta tccaaaccaa atatttcaaa aataagaaga atttagtcga aaataattaa 240

tgagaaacta ctctatgcag tgagagtatt acactgcaag tcccagatag agggtatgac 300

tactacgcgt gctagcttta agagctatag ctactatgat ttctgattga tgaacagtgt 360

catgcatt 368

<210> 16324
<211> 428
<212> DNA
<213> Glycine max

<400> 16324

tgagatacaa tattgtacta agaaagtatg aatcttacct attaaattaa caaaggctgc 60

tattaggtat ctcatctctt ggctatttca agtagttatg cgtaaagaca ataacaagaa 120

gaatcaagct aagaaaatcg tcaatgtcaa ctcataatta attaaaacat taacaaaaca 180

attcctacat aagtttacta attcaattta taaatatatt gcattttgtt aaagacttat 240

caatcctcaa tacttattcc tgtctcgatt ataagtaaaa aaggacatat gtcacattta 300

ttaaggaaat tagttatctt cattaaagtg tgcgagtttc aattaataaa tgagtttttt 360

ccctaaatta tctttcattt aaacttgata tcaagcataa aaatggtttt ggtcatacta 420

aatgaata 428

<210> 16325
<211> 388
<212> DNA
<213> Glycine max

<400> 16325

atgatcgttg tgtgcatgca ttcttgtggg atttggtgat agtgattgtg ccggagatgt 60

agatgatata ataagtacta ccggatttgt atttttatg ggtgattgtg tctttacatg 120

gagttctaag aggcaaggca ttgtgacact ttctacttgt gaagccaagt atgtagctac 180

aacttcttgc acatgtcatg ccagttggct aagaagattg ctggaggaaa ttcagttgtt 240

gcacaaggag agcacaaaga tctatgttga tcatagatct gcacaagagc ttgccaggag 300

tccagtgttg catgaacgaa ctaagcatat atatacaaag tatcatttca ttgtagagtg 360

cattaccaag acagaagatt aattgact 388

<210> 16326
<211> 405
<212> DNA
<213> Glycine max

<400> 16326

gttcgattca ttctatgtac ccgtagtggt tcactttgtg tttcgtgcat tactattctc 60

gttttgttta ctttttatac cccctgttga cgtgcttaag ccattttact taagtcattt 120

ctcgcttaac ttagaaataa aatcaatttc caccgaacgt ttgaattgta ttatccgtta 180

acttcgggta aaataaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaaa 240

aagaggtaaa aataatataa taatcaaaaa gacatctttt agtaaaataa agcggaaaat 300

caatcggacg ttttctcttt gggatttctc attcttaatc gaattgatta ataactaaag 360

tgaaattaag gctaaaatca actcgcctag tcaagctcgg ccaca 405

<210> 16327
<211> 211
<212> DNA
<213> Glycine max

<400> 16327

ttactcgccc ggatcttcat cgaacgcggc tgcttgctga tcggacctca gtgtcgaaag 60

ttatgaccat ttgaatttct ctagagcatc cggtggacaa atttgagcgt gtcgacatat 120

tatgcaccct gagcaaaaat atctgtgaga agcgatgacc cattgacttt atcgagagct 180

ttcgatggtt aagattgagc gtcttgaata t 211

<210> 16328
<211> 404
<212> DNA
<213> Glycine max

<400> 16328

tatactatat cgagacgctc gaatttaatt atcttatatc tcttgagaaa ttcaaatggt 60

cgtaactttt tacacggatg tccgattcgg gcgcataata tgtcgagatg ctcgaaatta 120

aacaacgaaa gctcttgaga aattcaaatg gtcataactt ttgacacgga tgtcctattc 180

aggcaaatca catatcgaga cgctcaaaat tgaacaacgg aagctcctga gaaattcaaa 240

tgcttataac atatagtgac actcgaaatg tccgattcat gcttataata tatcgatacg 300

ctcgaaatat aacatgtaaa gctctcgcga aatctaaatg gtcataactt ttcacacgga 360

tgtacgattc tgacgcataa tatgtcgaga ggctcggaat tgaa 404

<210> 16329
<211> 316
<212> DNA
<213> Glycine max

<400> 16329

ttcctccaga aacaacagcc ttacggacga acgaaccgga aggcccacct gggccagaat 60

gccatatgca ccccccgcta tacaaagtgc acccccтact aaatttctga tagagaagtt 120

tccgtaacat caccaaaatc tacgaaggac gcaccgatac ttaatgacct accgcagggg 180

cacaaatcca tgcggattag gcatatacac tgtgacagct acccaagcaa ttacggaaac 240

tcacggattg cacaaaacca cctattgccg actaccgaca aattactgaa tgtcacgggt 300

cgcgcaagcc tgcttg 316

<210> 16330
<211> 559
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16330

cacacacacg cnacacccac acaatgcgaa ataacaggac agtcactacg cacncgcgac 60

aacatccaca cncaacacaa cgacggtnnn ntttgattac atngcatcgc caancacgtg 120

acacaancna caaccaggcg agagagagcc accgaagaga gagccaactt tgactacaca 180

tgctagcaac gctactagga cactgcagac cggaagaatc cccatatcgg agaaccataa 240

acgcgggctc ccatgactac ctacaattac gaagtgtcga ccccaaacga cacaaagcgg 300

gaaaggctga cttactgcaa caccgctgaa cagcccatga aaacctcaag acctccatat 360

atatcataga ccccgaatac ggacatcgca tccaatgcta cgcacagaca aggcgaaggc 420

acatcacagg tatgacactg aaacatacta gcacagacga agcaacaaaa aaggcagccc 480

gtcagacaaa cgaacagcat aatatgagac ctggaacaag atggacacct atacaaacaa 540

gcgcgctaca tacttctcg 559

<210> 16331
<211> 376
<212> DNA
<213> Glycine max

<400> 16331

ttttcatgct atctttgcct tgcaaatctg ttgaaattgg acggaaggaa cgatcaatct 60

acccttgaaa gagttctgac tagatgacat gatccatatg cgttttcacc atctcatgaa 120

gaacacaaac tatttttctt actcattata ttcttaatgt aaactgagcc tcgagctcat 180

tagcatattt ttaatgcgtt tttctttgca ctttttaaat ctccattcgt acgttaatga 240

ttaattgttc taaagaccac ttccacttca ctataaggct cttacaccca tgggcgtgat 300

tcgaccctat ctcactcgcc catcacttcc tgtctctata attttttttct ttacccaaaa 360

tgcgtcgaga tataaa 376

<210> 16332
<211> 367
<212> DNA
<213> Glycine max

<400> 16332

tgacactact caatactcta gctagcattt gcataatctg ctgggcggcc ctctacattt 60

atcagagttc ttctacctga actcagccat ttgtgaaaat tatccctaat tcaccatctc 120

agaactataa tatagtttgc ggaactcgtg gaactcagaa gatgctcaac tacaatcctg 180

tgttattata ctctaatgga aagggagaaa cctacaaagc gtgttcgcga cgatgatatc 240

tgttaatctc tttggatata tcccgaatct gagagagcgt aataagattc ccttggagga 300

cccatttctg aagaacgttg gtggcgcttc tcttgggagc ctaagcctga agattctgct 360

ccttacg 367

<210> 16333
<211> 370
<212> DNA
<213> Glycine max

<400> 16333

tcttgtcaag gcccccagcc gggacaagtg ttgtccgggc tgcttctatc aagttgtcta 60

ggatggacat gctttttgta ttacaagcaa agtcagacgt gtcaagtgaa gggagtccct 120

aattttgaca actctaccat tttctaactt ttggagaatg cattaaagga aaatgttctc 180

gtttttcctt ttgctacagg cgaatgttgc gcacgggcgt tacttttgca tacgtgtcac 240

tcgtggaatg ggcacgtact ggagacacgg tacgtgggtg agtggagctc catagtggtg 300

caaaattttt gggcatcatt tcagctcctg ccagttactg aagggttgca cctccactct 360

aaatggagtg 370

<210> 16334
<211> 425
<212> DNA
<213> Glycine max

<400> 16334

ttgtaagcac aaatcagaag taggtcgctc taacttagag ggctgaagct gaaacacaaa 60

tttctcactc aaagatcttg catatagtgg ttgttcagtg acatctaagg gtttttaaa 120

acaatttttc aaataagcac ttggtgtaaa atgatgttag aaaaagataa tatgaatact 180

taataaaata atatggagag aagtataaca acttggatta tatcggttcg ctcaacttga 240

cctacgtcta gttctccttt actcactggt aaagggttcc actaatcaat aactaattac 300

atataagtat tctaatccgc aactcctgaa tttacaagta ttcttaacac cacttataga 360

atcttcctag actctccctg aatctaagaa cccaagtatt ttgaacacta agtcactcct 420

gtcac 425

<210> 16335
<211> 505
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16335

catcatgcac tccgagcacc tcgccatcgt taacctatgt ngcatcttcc tacanaaann 60

acaaagcagg ggnntttgag cgtgtgatgg agcgttgaan nncccnnggt taaagggncc 120

ccagcgtggc cccacnacgg gtggcgnctt cttattccac acggacacac atcacaaaat 180

aaaaccctct catatttctc ccacatctct tgccaaaata taataaattc acccccccat 240

aatccccaaa aaaaatccgg ggacacagcg gcgctctggg gaaacagggg gggggacta 300

caaagagtcg ctgtccttgg cgacatgggt gctctacgga cgcacaaggg gggggcgccg 360

cgagacgtac ccttcgtggg ggtcctccca gtgtctttca ttggcgtgcg cgccggggcg 420

ggcggttata ctcgcctctg aagcgcacgg tggcggtctt atcggtgggc ggggcgcccc 480

caatgaaacg agaggtatgt ttgcg 505

<210> 16336
<211> 409
<212> DNA
<213> Glycine max

<400> 16336

tatcggatta tggggcactt gtcttatgtg gtactatggg gcgatcagcg atggcgcaag 60

tcaactctcc cacttccaca agtcaaacat aaacacacca tccccagttg cccaccttta 120

aattgagctc acgcactccc acatagccct tatcctcgtt cctctcatca ccgggtcccc 180

atcaacacct ccaagctttc acaatataca aacaattcaa tttcatttgt catgaaacta 240

ccctaaacca agaaaataga gtggaggcaa aaaactctgc acaaaactca ttcaaattcc 300

acagttttcc ctactcacat accccaataa cattctcttc gttccgattc ggtaaccatt 360

tgatcgcctt gaaaatttta ctggaggtgc ctagtacaga tatctacat 409

<210> 16337
<211> 367
<212> DNA
<213> Glycine max

<400> 16337

ttgctttgtg taatcgatta cacttatttg gtaatcgatt accagtgact atttctgaat 60

aaatcaaaag atgcaactct tcaaaaaggt tttgactttt tcaaattggt tttaagtttt 120

tctaaaagtt ataactcttc taaatggtct tcttgaccag acatgaagag tctataaaag 180

aaaggctttg ttttgcattt tcaatttatt cattcattca atcttgaata cttttccaat 240

caatctctta cagtccttta caagccttga atctctttga acttcttctt cttcttcttc 300

tttgtaccaa aatctttcta aagttttcta gttttctaaa ccttgaaaac ttgtgctatt 360

catcttt 367

<210> 16338
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16338

tattagagtt ttaacacact ctttttaaca cactctccac tgttggtcct caattaattg 60

agaattataa aatcagaata atgactcatc atatgagtag tgggacctgc caaatttgtg 120

atttttaaga aatttgagcc aacaaaaaaa agtgttcaag agaatatgtt agagacagtg 180

ttgctaccat ttctctgttt aggaatggtg tttgtagtta ttagtgaaaa tagaaataga 240

aaatattttc cttatgtcaa acaggcttct gcattactat ttttagtttt tacaacatta 300

tgatagatca ttatatattt tttctttctc taaaacaaat gatttattta ttgtcttgng 360

gtggtgtata taaaaactga tcaacacatt ntacttttct ttttttg 407

<210> 16339
<211> 301
<212> DNA
<213> Glycine max

<400> 16339

gagcttgccc aaaacccaca agttttaagt ttcaataaat tacatattac attacatttt 60

ttaagaactc ttcataataa tctatattta caacccttttc taatgcacct tgaaaaatac 120

tcaggaacaa agatattttt aatgaagata ttattattgg aataaaaaaa catgctagat 180

aaacacaatc ggtatacaca taagttcaga atggcaaggg acaaagtata atcttcacct 240

gtttgtgacc tcaaactaaa actcataagt gataggaaat cagatggaaa atatataact 300

t 301

<210> 16340
<211> 421
<212> DNA
<213> Glycine max

<400> 16340

tcctcaattg tttagcttga ctccatcttc tggttaagct ggaaatgtcc aaaggcggca 60

caataattct cctcaaacca gccaaacaga gaacctctct gataggaaat cactggatcc 120

tccttcaaat aacgaagtag caagttcagc agaaggtatg ttttgtcatc ttaggccttt 180

tgtctaaatg ttttgttaga gctataaatc atatttgagt ctccacccaa tagcttatgc 240

atttgggaga cttggtcgtt gacatggtat caaagcctct ctgaccaatg gattaggatt 300

tcaatcaatc cttgcctcca tgatcccccc tcttcataat tcaattaagc ttcaatacaa 360

aggaaagtga gcttgtgcac catccatgtt taaccttaaa ggactcttgc tgttatgtta 420

a 421

<210> 16341
<211> 148
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16341

ctcgtacccg agatcctcta atcgacctgc tgcatctgtt ttacatctta tntanttang 60

acccactatc ctagaacata catatctcta tgcccctaac ctacggaatt aaaaataaac 120

ttacatgctg attgtgactg aatttgtg 148

<210> 16342
<211> 178
<212> DNA
<213> Glycine max

<400> 16342

tatggatgga atacttactt ggcggtgacg aactttagtg tcgaaaccaa tcaccaaatg 60

cgagaaatga tgaccctaag gctggaaact cgttaatcgc gaggatatgg ctcttgcaac 120

gtggaaaaga cgatgctgaa tgacaaaact tcccgacttg cgacatctat atatattg 178

<210> 16343
<211> 376
<212> DNA
<213> Glycine max

<400> 16343

ttcttgcctt taagttgacc aaatctaata ccaccgacaa ccgtgtgaag ctagtgcacc 60

tcgcatacaa aggcttctta gaatcaattt gtaattgctt atacaaaggt gcatgtgctt 120

gccaaaaatc gtcttgtcca agatcgtgta tcatgtcttt tatatgattt gggatgtctt 180

cattaaccgc gttagtatga gagcctattg ttatatatgt tgattcacca tgcgaaatcc 240

attttgtgaa attcagaatt atcccctcac atataagatg tgatcttatg tcattgagtg 300

actgtcgtct cccattccca catttgacac atggacaaaa atatttttca cccataagtg 360

atgcatttcg ttcagc 376

<210> 16344
<211> 419
<212> DNA
<213> Glycine max

<400> 16344

taaagtatgc ccgagtcatt catccctatg agatgttgtt taagtattgt cgatcagaat 60

tgccattcct tggattatag ggttgaacca agctcatgct tttacaaaaa ggttcatcaa 120

gtcaagttga aatatggaag taatcgtctt gcaaaattgg ggcaaaagat gagtcgagtc 180

acatcactgc ttcgtctact gccaaacata tttaggatta ttgatgtcct tgttacttcc 240

agtttcacct tgacaaagat gtcatggacc atgttgaaaa tctaaattga ttcaacccca 300

tatcctgtgt aaaaattcgc aatacttcaa ctgtacacca ttcgcataca tacatgcttt 360

tcattgcttg cattgctcat tgcattcttt ccttgaaaaa taaaataaaa taaataatg 419

<210> 16345
<211> 380
<212> DNA
<213> Glycine max

<400> 16345

ttcttaggga tggaatactt acttgttggt gatgaacaaa agcgcggaac ggaatcaaaa 60

aatgcgaaaa gtgatgaccc taagactgca aactcgtaaa tcccgtgggt atggcttttg 120

aaaggggggaa aagaagtttt tgaatgaaaa aaaacgtccc ccctttcgtc acttttatat 180

tttggtgcag aggtggctcg cccaggcgag ctaacctgca ctttttttt ttttttttt 240

ttttttgagg ggaacattta aacatgcccc tcccttctca tggattagca tcttgcctaa 300

cttgaactta cttaggttag aattaggcgt tgattactta ttttattatt gctatcattt 360

ttttcaaata gtaaaagaaa 380

<210> 16346
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16346

tggagaggat gcttcaatgg aggataagaa agagtgagag ttagagagag gggggagcac 60

gaaattgaag gaagaaaaag ggagagaagt tgaactttga gttgtgtctc acaagactct 120

cattcatcaa agttacaaca agtgttactc atgcttgtat ttataaacta ggtagcttcc 180

ttgagaagtt ttctagagaa aactttcttg agaagcttct ttgagaaaac ttccttgaga 240

tgctagagct tagctacaca cacccctctc ataactaagc tcacctcctt gagaagcttc 300

cttaagaaga ttcctaaaga agctagagct tagctacaca tacctctcta atagctaagc 360

tcacctcctt gagatgagac gctagagctt agctacacac ccnctataat agttaggctc 420

ac 422

<210> 16347
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16347

ttgttgcgag cgcnnacctc gtccttcagg agcatgcctt tgacccatga tgattccttt 60

cacctcttca cgagcttgag ctcactattg ctgccctata aagcccctca aaactttgct 120

ttggtcgagt tcttcctttc gggccttcac ggtttctcgt tccaaggctt catcggtggc 180

catatagacg tgccttagtt catcatactc ttttcagact ttgatggcta tgaacttgaa 240

cttctctttg actacccggg ctctttcaag ctctgccttt acggcttata cctcatcact 300

atcttgtgaa gctataagct catcatctct catagtctgt agatttggga gccaatccaa 360

tacttgtgtg cggac 375

<210> 16348
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16348

ntgagccaaa atcctgactc accataaacc ttattctctg aagcagaatt tataaaaaga 60

aggaaaggat attcccaatc atagagaaag cataaaagga aggattggat attcccaatc 120

aaagagtggg agaaagagaa aaaagaataa gaaaggaaat tcccaatcaa agagtgggag 180

aatgaaataa gaaaagaaag aaatttccca accaaagaat gggagaaagt aaaaaagaag 240

ctcctagtca aagaaaccag aagaaatgtg cagagaggtc tttggaccag acaatatctg 300

aacagtacag aattgtcacc aaatgaacat aaaaagaagg aaaggaaacc acgacctata 360

atggtcttct cccttngatt accaaccaaa atcccgtgcg ctagcgac 408

<210> 16349
<211> 201
<212> DNA
<213> Glycine max

<400> 16349

tcaaatattt gaaggtctac ctagtacact tgaattatta tctttttct taagctcatt 60

tacctctgcc tggtagtggc tgggattgag tatgcttatg tgacacggct acacagattg 120

cgaagttaat atatggattt gggctgcaga tgaatgattt cactgataag ccaatgataa 180

aggttctgtg gagatgtaac t 201

<210> 16350
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16350

tcccagatcc gatcatggaa ggacttggtt actgttctta ttaggcagta ccagtacaat 60

acggacatgg ctctcgatcg gaaccagctt cggggtatga ctaaacgaga gcatgagtcc 120

attaaggaat atgcccagag atggagagat ctcgcagccc aagttgtatc gcccacgcag 180

tcaccaccgc cccaacatgg atgaaagcac cccaaaatat ccaaagctca taccagccca 240

atcccccaaa ttttttaatc cgagccgaga attccctccc gactcaagta aaaggaccac 300

ccgcagcaga aagagcgcca gcccgacgca cagctccagc cgcaccccgg ctagttaata 360

atacagcccc cggcgtgacc tatanatatg cacagcaacc gaaagacaac ttcccttcta 420

<210> 16351
<211> 435
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16351

gcagatcnnn ttgaagcttt gattcattcg actaccanng gcgaanncaa ctcgtactcg 60

ggatcctgtt gagtgatccg gatgatgctt ttttatgtca tgctttaccg aatggattcc 120

ttgagcctca ctccatacac aatgcacttg atatgcgtgc tgaatgtcag tgttacattg 180

aaacatgggt gaaggaatcc caaagagaag tctacctagg agcttacttg aatccataag 240

gtcatttatt gcaatgggtg tacgaaaaat aatgtgacct tatgaacctt aatattgccc 300

attatagggc ccatggcacc tggtttgcct atgtcctaag aaggaatgtt gctaaattgt 360

tcgcccctaa gaaccggatt tcaattaact tcactacaag ttagtttaat ttcactaata 420

aggatggaag ttggn 435

<210> 16352
<211> 365
<212> DNA
<213> Glycine max

<400> 16352

tggacacttt caatatgatt gtcctacgtt gtattagaaa ccattttatg ctgagatgga 60

ggataaagag gaacaagagg atgagctctt gttaataacc ttcatagatt gcatacaagg 120

gaagaaggat gagtggtttc tagactcggg atgcggcaac cacatgagta gtaacaagga 180

gtggttctca gaattggatg agaactttcg gcacaatgta aggcttggta atgatactca 240

catatctgtg aaggggaaag gtagtgtttg gatggttgtg aatgagatta tacatgtaat 300

cacacatgta tattatgttc ttgaactcaa gaataattca tcgagtatat gactgcttca 360

agaaa 365

<210> 16353
<211> 354
<212> DNA
<213> Glycine max

<400> 16353

ttcttctata gaagggtcgg tcctaatttc tctacaattg catcacctct caatgagctg 60

gtgaagaaga atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgcttttctc 120

aaagaaaagc ttactaaggc acttgttcta gctcttcctg acttttctaa aacttttgag 180

ctagaatgcg atacctctag agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240

attgcttatt ttagtgaaaa acttcatagt gccaccctca actaccccac ctatgataaa 300

gagctttatg ccttaataag agccctccaa acttgggaat atgaccttgt ttcc 354

<210> 16354
<211> 413
<212> DNA
<213> Glycine max

<400> 16354

tccactatac tacaaattgt agaatcatat tatgtatcca ttctctggtg ctcgataaga 60

acatttatac tcaccaacat acaattctcc ggccataaaa atcttaaggg gaaaatatat 120

atcagttata ttagcactgc ccaagttgtc agtatggtat tcccttagca tgcataagtc 180

cccgaggact ccaacaataa attttgatcc agtccctaaa acatggtgct ccctaaatgg 240

gaaaccaaag gggtgttcag catttcatta gcaaataatt cagcccattt aaaataaaga 300

aaaggaaata aaatctaaga aacaacagaa aacgaggcca gtgtatgaga tataaatgca 360

gaataaaggt ggcatcatcc aatatgatta agatgagcca tatggattaa ctg 413

<210> 16355
<211> 354
<212> DNA
<213> Glycine max

<400> 16355

ttctttaaat gtgtctaaat gaccataaca attgataaga tgtcgctcta aattcttaac 60

catttggact catcactaac tattcaattg ccttaagtga ctaagtgaaa aaaacttagc 120

caaagaggac atcgctctca tattctactt caaccagacc aataattaac actctaactt 180

gactggacaa tagcgaagac agagttgagg actttaaatt attttttta tatataaaac 240

tgatacaact agcttcaaag cttgagagac ttatgtacta ctcgaacttg agaagccttt 300

gtactctgtg atcgaccaag ccggcaactc acatttaaag aatctagtgg ataa 354

<210> 16356
<211> 418

<212> DNA
<213> Glycine max

<400> 16356

tatgctacaa acatttataa tagacccccc cagcttataa accaataaca acagaataat 60

tatgatcttt caagcaacag atacaatcca gattggagga atcatccaaa tctgagatgg 120

acaagtcctc cacaacaaca acagcctgtc cctcccttac aaaatgttgc tggtccaagc 180

aagccatatg ttcctcctcc aatgcaacag cagcagcagc agtcacaatt gttagtgctt 240

agcactactg agtttaaaaa ggttggctaa gattttgtta aaacataagc acttagacaa 300

tgaaggaaag ctggagttgc tgcacatgat gaccaacgct atgtcaagga ataagatcgg 360

gctgcataat gcacaaggca agataaagtg tcaagtgatg aattgaagtt gaacgatc 418

<210> 16357
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16357

atgcggttgc atgctttctn tgaaagcgga actcgaaaaa acaagagtga tctacgtgaa 60

gctaatgacg gcattcacta cagtcatgat agattgtgat gagctgagag gtcaacatga 120

ctacggttga atcattatag cgggaaacaa aaagggcccg aaaggaagaa tagagcagga 180

acaaattccg agggaccgag agggaccagt caaggatgga aagcatggtg ttagaggata 240

agttgaatgc ttgtcaaagg tcgaagagaa gcttgatgga acggttgagc acaacaaaag 300

aaaatatgtt gacaattatt gatcaatata aggagaaggt gaacttagct actagtcatg 360

ggtagaggct agaggatgaa catg 384

<210> 16358
<211> 418
<212> DNA
<213> Glycine max

<400> 16358

tttccctcac tctcacgttg ctttttttctt cctttctcct ccaccattga agcctccatc 60

aaagctccaa actttactca ccatttctac tccaaatcgc aaaaggaagc cattttcgga 120

gtcgtgaagc gcatctcaac gttgtgggac ttcaaatttc aggtttgggt agacttcttc 180

tcacatgatt ttcatgggta ttgggtgttt gggagatatg atgggtagtt ttactaggtt 240

tatgccttat ggtagttatt tgtgaaggaa tttgttgaaa gcatgctaaa attatcatgt 300

ttgatgtgag tcaaatttac ccattctgtt ttaggggttt atgatgatgc tttgtgatgg 360

ttgtgtgctg aaattgatga tagaaaactg atagagatga agggtagagc taaccgag 418

<210> 16359
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16359

ggagagacnc gtggancctt tgaatgcatg cattgccaac gcaagtacat ctagttccca 60

gcgtcgtatc atacatcagg ctgatgcatt cttatttgat gctncagtgg atctaagggg 120

cttacgttac ataatacgcc acccagacca caatacaagc tgaaagtgtc tactctgttg 180

cacttggtca gaaagaatcc tattgatagg atctcctagt acctaacgag caacaatcgg 240

cacactcaat cgtgacgtgt ctcctaatat tatatatccc cctctttacc gcatttgcct 300

tacaactatg tgccattgaa acctgacatg actcattaca atcaatgtga tagtagtcta 360

tccatgtgct gtccatttga acacctcaaa gcatatctaa cactgctcat atacctgcag 420

aatgctcata tcgtttcctc aatacaggac tgaaccatca ccg 463

<210> 16360
<211> 408
<212> DNA
<213> Glycine max

<400> 16360

tgtgcctctt cacgtctgtt tatgaatgta gcatatatga tccaaagacc cttaggtgct 60

ttgctgatgg cttcttccca ttccaagctt caattggagt cttgtctttt acagactcaa 120

ttggacatct gccgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttag 180

gtagtccctt ttacttgagc atcaatctag ccgtctgcat aactgtgcga ttctttctct 240

cggacactcc attttgctga ggagaatatg cgactgtaca ttgtctctca atgccttcat 300

cctcacagaa tctttcatac tcgtgagagg tgtactcttt ggcgcgatca cttcataata 360

cttttatccg ttttccactt tgattttcaa caaggacctt gaactttt 408

<210> 16361
<211> 364
<212> DNA
<213> Glycine max

<400> 16361

tttcttcaac atcagaccac ttccagggtg ctggaactac ttcacatgga cttgatgggg 60

cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttgttgt ggatgatttc 120

tccagattta cctgggtcaa ctttatcaga gagaaatcag acacctttga agtattcaaa 180

gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat taggagtgac 240

catggcagag agtttgaaaa cagcaagttt actgaattct gcacatctga aggcatcact 300

catgagttct ctgcagccat tacaccacaa caaaatggca tagttgaaag gaaaaacatg 360

actt 364

<210> 16362
<211> 402
<212> DNA
<213> Glycine max

<400> 16362

ttccgctcgg atgtccgatt catgtgtatc acatattgag acactcgaaa ttgatcaatg 60

gaagctctcg agatattcaa atggtcataa cttttaacaa ggtggtctga ttcaggcgca 120

taaaataacg agacgtttgt aattgaacaa cggaagctcg agagaaattc aaatggtcat 180

aacttttcac acggaggtcc gactcaggcg cgtaatatat cgagatgttc gtaattgaac 240

aacggaagct ctcgagaaat tcaaatggtc aaaacttttc actcggatgt ccaattcagg 300

cacatcacat atctagacgt tcgcaatgga acaacggaag ctcttgagat attcaaatgg 360

tcataactct tcactcgaat gttcgattca ggtgtatcac ac 402

<210> 16363
<211> 378
<212> DNA
<213> Glycine max

<400> 16363

acgttcttaa caaatggcat gcgaagtggg tggaattcct agagcaattc ccttatgtta 60

tcaaacataa aaaaggaaaa ggtaatattg tagccgatgc tctttctcgg cgtcatgcat 120

tactttctat gcttgaaaca aaatcgattg gacttgaatg tttgaaaagc atgtatgaaa 180

atgatgaaac ttttggagaa attcttaaaa attgtgaaaa cttttcagaa aatggtttct 240

ttagacatga aggctttctt ttcaaagaaa acaaattgtg tgtgcctaaa tgttctacta 300

gaaatctgct tatttgagaa gcacatgaac gaggtttaat ggggcatttt tgggtccaaa 360

atactctaga tacattac 378

<210> 16364
<211> 280
<212> DNA
<213> Glycine max

<400> 16364

tcattgccta acaagccaac ttacaacagc aagcttcaag agactcagca taaggatgca 60

cagaccaaag ttgcgtatgt aaaaaaattg tatgaccaag tgaaggtgca aattgcaaag 120

aagaatgaaa gctatgccaa gcaagcccaa aagaaaagga aggaagtggt acttgaaccc 180

ggtgatgatc ttggacattt gaggacaaat gttttccaag aaggagggaa tgatgagaat 240

catgaaacag gccatataca gtctaaaggc ccaagtggag 280

<210> 16365
<211> 379
<212> DNA
<213> Glycine max

<400> 16365

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ccttcacccg acgaagacac tgacaaaaac ttatcttctc ctttttggac aaggtatggc 120

aagctagggg caagtaaatt ttcttcccat tagaccttgg atgcaactgt gatcgtatgc 180

ccatatcagc tagatcttga caggtattga agccatcctt catcttgcct tgaatgttaa 240

ggagagtccc aatcacacta tcacaaacat ttttctccac atgcataaca tcaatacaat 300

gtctaacatc aagatcagat cagtacgaga gatcaaagaa tatggacctc ttcttccata 360

tgcaactctt acttttatc 379

<210> 16366
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16366

ctgacatgag tcatcaaaag actataaata tgtgaccatg gaatggaatt taagatgata 60

tccatcatct atctttcaat cttctctcac acatcattca gatatctttc aactctttct 120

acaaaaggnt ctgatgcttt ttctttgcat ctttctaaaa gttttgatca aaactttctc 180

ttccaataaa tattgttcag aaacttgtgc tattcatcgt tttcattctc ttctcccttt 240

gccaaaagaa caaaggacta atcgcctgag aatttttctg gatcgttcct ttcccttaag 300

caaaagattt caaaggacta gccatctgag atatcttttg gttcccctta caaagattca 360

aaggactaac cgcctgagaa ttctttgtcc aacacattgg agggtatat 409

<210> 16367
<211> 373
<212> DNA
<213> Glycine max

<400> 16367

tatcttttca tttggttgct ctgctacagt ccccaagcat tagagagaaa gcgaaggaat 60

ggaagcctca atttcattgt ctccatgtaa ggggtatttc tctctctaca ggcattcatt 120

agcaaatccc aatggtatga acctacgaaa ttgagtacca taaacgattt ctgagtctca 180

aaataatcca acggttaacg agtttaacat tgaagtgtta ctaagatgga tttgggtata 240

tgccggaaag agattggatt attggagagg aagagagaac acatttagga ggaagagagc 300

ataagaacat atcataagtg taataattga tcgaatattt atctatttat aggtcgggta 360

ctctgagctt att 373

<210> 16368
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16368

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actttntgtg attagtttaa agatacaatc tttgtagatg agaatgcttc aaaaacatta 120

agaaagctag cagatgggcc taaaagaaat gttataaccc gacaaggata caacataaac 180

aagtattcat tttacacaaa agcacaagat gacaaaagta caatgcagaa caacggggtc 240

accctaaggg ctgaatctca acacttcgca acttttgttt tgtaaattac agtgtagttt 300

acaaaagcaa aggtgaaagg aaagatattg agctggtaga ggaggaagag ccatagattg 360

gtgctgattg ttctggagca acctctaata aatctgagat ttataaggag gaagcacata 420

ata 423

<210> 16369
<211> 388
<212> DNA
<213> Glycine max

<400> 16369

tggagtgcat tcttgctcta gaacacaatg tttgcttaca ggcaatggaa gaaggtcaag 60

aggttctgaa agtaagaacc aaaacataag atcgcccagt gaggtaaaat tgtcaagcta 120

atgacgttaa agaagcgctt cctgggaggc aacccagttt taatttctgt agtttttgtt 180

ttcatgcatt agatcattgg gaacttgctg cataatctgt acataggagt atattagcct 240

atctttgaat gttaaacata agggtttcaa tttcttggaa aaaggactga aaaataactc 300

agaaaatatt ttataaaaaa atactccttt cgctaagcgc aagtctcaca ctaagcgcat 360

cattattcat gcgctaagcc atgagtct 388

<210> 16370
<211> 419
<212> DNA
<213> Glycine max

<400> 16370

tgttgttgct gctccacaga gcccctcgga acttgttcca tccgtgctct tccctacgag 60

ccctcttggt ctgttgttcg aaggctttgg ttgttgctat atttatatct ctcagttcgg 120

cattctcctt tcggattttc agagttgctg atttgaacct ttctttgact gtttgggctt 180

gctcgagttc tgccctaagg gcctgcacct cttcgtcttc ctccggtgcc tcaacttcct 240

ccctttttagc ggttctcaaa ctcaggagcc aatccaatcc ttgcacgtgg gctttcaacc 300

acttacggta gccactgatg ggcccattgt taccgcccct gagttctttg tccttctttt 360

gcaccacctc ccatgccttg cggaccttct gaagtgtctc catgttggtc ttattgaaa 419

<210> 16371
<211> 375
<212> DNA
<213> Glycine max

<400> 16371

ttcttccaca acatccaagc aaaacaacat tcaaacagca caagctatca tagccaagca 60

aaacagagca aaggcagaaa actctgctca acacatcaac caaaatcaca gcttttctca 120

cttaaagacc acagtaacaa ttccttcgat ccaatttgtt aaccgttgga tcgactccaa 180

aattttactg gaagtctata gtgcataagc ctacattgtg accgttggga tctactagca 240

tacatccaga actcattttg tactactctt tccacagcca accacacaca agcatttttc 300

tgcacttgtg caaaattctg ctgcacaatt tcacagcaaa gattctgcat aagtgcagat 360

ttcggacatc acact 375

<210> 16372
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16372

ntgctatctc ttctctccta acatcatggt taatttccat tccgattcct caagttgtgc 60

atacatactt gcaatttgtt tgttgctcgg caaagaaagg ccaacaaatc ataggcacac 120

ctgcagatat actttcaagt gtagaattcc aaccacaatg ggttagaaag gccccaactg 180

atggatgaga aagcactttc tcttgaacac accaacttgt tatatatccc ctgtccttga 240

tctcatcaaa gaactcttgt ggcaaagata tagattcacc cattactaca tctggtctca 300

ttatccataa gaaatgttgc ttgctatttg ctagtcccca agcaaattct ttcaagtgat 360

gctctgtcat caccgttata cttccataat taacatatat gactgagtta ggttcccatt 420

tgtct 425

<210> 16373
<211> 278
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16373

atgtgcatgc nttctttctt agcataaaca acacttacta gaacagccca tccgggcacc 60

gcgttttcat taaaaatgag taatgcaaca cataattaac tagaattttt attaagaaaa 120

atcaaatact accgtgtgag atgaacaatt tataaaattg accaaaaaca tgatgaaatt 180

ctgaatttat tcttttgggg accacttatt tgattttgaa gtatgctctg ccaaactcat 240

ctcattcaat ttacttatta gactaatatc ttttttgt 278

<210> 16374
<211> 415
<212> DNA
<213> Glycine max

<400> 16374

tctttattta tttatatata tatatatata tatatatata tatatatata tattcctttg 60

gcggatcaaa ataagtaaaa aatattttga gccttgtgga cgagattcta gagggtaatt 120

tgaagaaaaa gatcattgta aacagttgta gcatttgttg ctagagaaat gattatttgg 180

actcaccagg ttcactagag cagacttggc tttaactttt tcagacagct tcaaattaat 240

tccatttttc attatcaaat tgatatgaag cacatgatca aatctttcag tttttattat 300

agtacagaga ttagtttcac atgaatggat gttcttttta atataaccaa tgatttttat 360

tagatatatg tttcaaagtt ttaattaaaa acatcaacat gtcattattt attag 415

<210> 16375
<211> 368
<212> DNA
<213> Glycine max

<400> 16375

tgctttttgg gattcatttc gaatccgagg gctagcttca tcatataaat tctttcgtga 60

tcaacccatg tcatcaaact cccagcggga ttaaaagacc catggcatca ctctacgacc 120

ttcaatcaag aaagtttcac ttggtcatat accaaagtgc aacaatccat tgccatcctt 180

caatggtgta tacgattggt cccaaggcct tatatttctc ttgctgtgca aagtaatcaa 240

tgttttgaac aaaaaaaggg gggaaaaccc tatgatcaat atttcaatgg attgattaaa 300

tgtcaaacga ctccattgta gtcactctaa aatgttcaag tgactgaatc agaccgaaca 360

tacactct 368

<210> 16376
<211> 416
<212> DNA
<213> Glycine max

<400> 16376

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tcgttgaggc gacctgagct cacctgggcg agctgggcgg caagctcctc ccctattttg 120

gctataaatg ggcatgagag gctgagggga aagagttcaa cacccttagt attcagattt 180

cacttaaaat tagtgaggag aagaagaaag aaggagaaaa tcaaggccga ggcacttccg 240

taacgcttcc gtgacgtttc cgtgaccaat tccatgaacg ttctctgtcg ttcttcatcc 300

attcttcatc gttcgtcgat ctttaactgg ttagtttttt atttcacagc tatgaattca 360

ttctatgcat cgttaggggt ccattcttgc attgtatgtt ttcatcttca tctcgt 416

<210> 16377
<211> 330
<212> DNA
<213> Glycine max

<400> 16377

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tttcacggaa ccggtcttgg ccacgccaca ttcgatctgt tccgactttc taccctacag 120

ggaattttac ttgatgcatc aaatgcccat cgagcataag ctataacgca atcgatgaga 180

catatacaaa gatatggcac atttacccca taggcgcctt taaaagtcac caagcttaat 240

ctagggaagg gattacttat ccctaaatac agtacaattc tgtccgaata cgcaagaacc 300

tatcctaaag ttacatcgcc accctagttc 330

<210> 16378
<211> 411

<212> DNA
<213> Glycine max

<400> 16378

aaactcagct ctgatgcccc cttctctata cccactgttt atatccaatc tcaggctcct 60

caaggtattg gtaagagcaa ctccccccca tccaccctgc acatctgaga tccaagcctc 120

tttaatcata caatggtacc ctttatgttc aagccaccag tccaccaccc taaaaggctt 180

agggccccaa tccaccatct ttgtggccaa gaagatcggg caatgatccg aataatctct 240

ttgaagaaca tgccgagaag catcatgcca caaggatagc catcgatcag acaccatgaa 300

tctgcctagt ctgctcttgg cactgccatt gggcctaaac caagtgaaat tgcctccaaa 360

acatcgtatg tcctggagct ccatctcaaa tatccagaca ttgaactccg a 411

<210> 16379
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16379

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cttccctact ttgttcgttg accacagagc ggtacctgga gatatgtcgc gggggtcagg 120

agaccttgtg gaggtcctgt ggggtgcttt tgcccaaaac gatcttgacc aatcccgacc 180

cttcccgggc ataagcagtc ggtgataacc tgtgatatac ctaaacaggc gagctgctgg 240

catgtccccg ttttaagaag ctagacctca tggcttggat gcttgtgtgg agactggcca 300

nccataagtc atgagtgaga tgtgggatat ggcctctg 338

<210> 16380
<211> 418
<212> DNA
<213> Glycine max

<400> 16380

tgttagaact atcatcacat gatgctttat tggctctgaa taagttgctt tctaagcaac 60

ttgagatttt aacagaaaca cttggtaagt tgccaactaa actgtctatt ggtcaacctt 120

cacattcttc tgttttgcaa gttacaagtt gtaccatctg tggtgaggct catgaaatag 180

gccaatgtat tcccgttgaa gaaaacactc aagaaatcca ttatatggga aatcaacagc 240

gacaagggta taatcaagga ggattctcaa gcttccagca gggtccttat aatcaacaag 300

gacagtggag gtcacaccct agtaattagt tcaacaaaga ccaaggtgga ccttcaaaca 360

tgccaatcca acaagggcct aacattcttt acaggactac taagctagag gagacttt 418

<210> 16381
<211> 370
<212> DNA
<213> Glycine max

<400> 16381

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ttgatgacgt gcccattagt tggacacgtc agatgataca tgtatgaaat cacgtcataa 120

gtatcaataa cattacgagt cacatggatt ttttatattg aatttcattt aataaactat 180

tttattaata agcattttgt tgggttgcgg aagatttgaa ggtttctgga tttgggtgct 240

gcgaaagtac agattttgtt ggattttggg gatagagatt gacgtagcgc tgcgaggggt 300

gcggaatgat gaagagatct cgacgatggt ggatgaactg gtcgaggggt gtaaccgcct 360

ttacttaatc 370

<210> 16382
<211> 420
<212> DNA
<213> Glycine max

<400> 16382

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ggatcaactt gaaacttatg tgcttcaaga gagaagaaat cttctttttc cacttgtgaa 120

gatgttcaaa gtttggctat gaagatggtt caaactgaga aacatttggt atttccattg 180

gtttataaac ttattgagct agctttgata ttgccggcgt cgacaacatc cgttgaaaga 240

gctctttcag caatgaagat tatcaagtct aaattgcgca ataagatcaa cgatgtgtgg 300

ttcaatgact tgatggtatg tgacaccgag cgggagatat tcaagtcgct cgatgatatt 360

gatattattc gaacatttac cgcaaagaag tctcggaaag gacacttgcc tcgtatttta 420

<210> 16383

<211> 253
<212> DNA
<213> Glycine max

<400> 16383

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ctcaaacgtt atgacccttc gcatatctcg agagcactct ggtgttcaat ctacgagcgt 120

ctatatatga gatgcgcctt ggtcggaccc cccagtgcaa acttacgtcc acttgcttca 180

ctggagagca cgcgtggatc caatgccgat cgtctacaca tgctatgcaa gtgattcgcg 240

ccttcgagtg aaa 253

<210> 16384
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16384

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gatcatccta ctaggacgac tgagaaaact ggggcaaata aagagggtga ggatgaggga 120

gaaacccatg ctgtgactgc cattcctgta cggccaagtt tcccaccaaa cccaacaatg 180

tcattactca gtcaataaca aacctcctcc ttacccacca cccagttatc cacaaaggcc 240

atccctaaat caaccacaaa gcctatctat cgcacttcca atgacgaaca ccacctttgg 300

cacaaaccat aaaaacacca acaaaaagga attttgcagc agaaagcctg tagggttcac 360

cccanattcc gttgtcatat gctaaacttg atcccatatc cactcaataa 410

<210> 16385
<211> 367
<212> DNA
<213> Glycine max

<400> 16385

tctttcttta agataaactc ttttctcttt gtctctctca actgatcttc attcttcttt 60

ctcttttcac ttatggtctt cctttatctt gcacaaattt tgcggctctt ccattggtga 120

tgatcatgga acgctaatca cttaattaat ccatggatcc actccaagca aggctgaatt 180

tgagttctga tttaatactc taaatctgtg tgaatgttca tctttttctt caatcctata 240

tttgattttc gagattatga atatacttac gattgaaaat acattaggtt atggattcat 300

ttcctaattg cagaatttaa acacaaattg atcggatgat attctaacct aattcgtgat 360

cacaatg 367

<210> 16386
<211> 409
<212> DNA
<213> Glycine max

<400> 16386

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ggggtgtgtg taactaagct ctaccttctc aaggaagttt tctcaaagaa gcttctcaag 120

gaagttttct catgaaagct tctcaaggaa gctacctagt ctataaatag aagcatgtgt 180

aacacttgtt gtaactttga tgaatgaaag tcttatgaga cacacttcaa agttctactt 240

ctccccctct tttattcctt caattacgtg ctccccccctc tctctttctc tccctctttc 300

ttttcctcca ttgaagcatc cttccaagct tcttatccaa ggctcatctt ggtggtgaag 360

ctccttcttc catggcttat tccctagtgg atggcgcctc ccttctcct 409

<210> 16387
<211> 374
<212> DNA
<213> Glycine max

<400> 16387

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gtattaaaag cttctcatcc ttagagtgtg cgcccatctt gtggcagtac atcttgagat 120

ggtttttggg acaagtcgtc cctttatact tgacgaagtc cgacactttg aactttgggg 180

gaataacaac atcgggtact aagcaaagat ccgtcatgtc tgcgaacaga tagtccccaa 240

atccttccac ggctctcaat ctttcctcga ggagatcaag cttcctcttt tcttcggttg 300

ccgggggcgg tccttccgtg gacaaaacta ttggttgtgt cgcgatgttg ggttgaggca 360

acgtgctggg tgcc 374

<210> 16388
<211> 424

<212> DNA
<213> Glycine max

<400> 16388

tgcaaaatgg aagcaaagat atctctctat gggtttaaga ataaccctca ttaattcagt 60

tttaacagca ttacccattt acttgctgtc ttttttttaga atccctaaaa aagtggtgca 120

aaagatagtt actattcaga gaaattttct atagggaggt gattttgagg ccaacaagat 180

cccttgggtg aaatgggaca caatttgtct tcctaagaac aaaggggggt tagggattaa 240

agacttgatc aaatttaatg aggctttgct tggcaagtgg ggttgggagt tggctaataa 300

ttagaaccaa ctttgggcaa gaattttatt gtctaaatat agcggttgga atgaatagct 360

ctctggtaga aacagtagtg atttctctca ttgatggaaa gatctaaaga ttgtatttca 420

atac 424

<210> 16389
<211> 376
<212> DNA
<213> Glycine max

<400> 16389

tttcttactt gtattgttga aaataagtgc aaaaatgaag gagaggtgca ggcagtgtca 60

attggaagca aggtgcagag tgaatgcaag gaatggggaa gaaaaatgct taatggagag 120

aaatggtaac tacctaaggc agttacgcct ctttaccttt tggcagattc gatccattct 180

cttatcacat agacttgata agcgagccta agtgatgttt gagttttgaa aagctcatgt 240

gcttatcgac tgtactcact cagcccaatt caagaaatta gaaattccag agaaactttt 300

gggcttagcg caaagataca tgctgagcga gttctacaga tataaagtgt cttgcaactc 360

gtgcttagca ggcatt 376

<210> 16390
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16390

tacctcgaac acaacagcga caatgccggc gagattgttc ctcangtgaa atgtacctca 60

gctgaccaca aacaccatgt actaccagtc aaatgtacct caggtgacca gcaattcgcc 120

aatccttgca ccagaaacca aaaaaggtcc ttatcttaac cacgagttcc agaaacagac 180

ctatcacggt catgctcttt agttcaatag aacaacatag gtagacgaag cgtacctgtg 240

acggtcttca gtgtaataac agagcaacaa ccttcgatgt taacaatgca atggagaaga 300

gagcgtgaaa gggttcacag agaagaagaa agcgcgagag ggtaaaccga gaataacgga 360

gcgcgagcaa aatatgccgt gtcaaataca atttaaaatg ttagtttaac atcgcgtttc 420

aata 424

<210> 16391
<211> 204
<212> DNA
<213> Glycine max

<400> 16391

ctatctacaa gaaataaccg ttattcttgg acgcgctcta ctgtgcttca cacgaaccat 60

gctctgacac aactcactcc ttgtattagc acaaaacttg tggctataat gtcggagatg 120

accatggaac gctatgaaaa cgaaaaatac atggatgcac atcaggagga gatgatacaa 180

acctatgcca tattatgaat agct 204

<210> 16392
<211> 323
<212> DNA
<213> Glycine max

<400> 16392

ggcatgtggt agtgtattaa caagattttt ttataaaaag ggagccttaa ccgaggctgt 60

tttcgtaatt atcatagccg gactctagta tggtgcttct ttaaaaagtt tgacatagct 120

tagtctgata ttgctgggta ggcttgggga acaatgtggt ctattggtct ttggaaagga 180

gctagataag gtgtggaata catatcaaag gacatggcag ggaaggatct atctatgaag 240

tctatacgat ttagtcacgc agggtgtgtg aagtcatacg gggcccattt ttgacagagg 300

atgggttgat ctggcttatg ttt 323

<210> 16393
<211> 377
<212> DNA

<213> Glycine max

<400> 16393

ttgcttgtca tttttctgag tgactcatac cagccctttg agattacttc aattattgtt 60

cttcaaaaaa cttgtctttc tcaatacatt tacacaaact caccaatagg cttaaactcg 120

gaaggtttat gatttatgtt tagaaggttt ttcataatta aaacacaaag aattttggac 180

tcaacaatgg agtctttgct aagaaccaga catgagagct agttgagctt cctatgggaa 240

agaggaaacc tctattatca aaaaaataaa gggaaaagtt cacggctcgc ctactagcaa 300

aaaggcattc aaagaagaag aggattgact atgatgagat tttctcccca atcgtaagac 360

atacttctat cagggtg 377

<210> 16394
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16394

aaactcangg caaacacatc ctcggccatg ctcttcaacc taaagttcac ccttggtgag 60

ccctttttgt ttctaagttc catcttcaaa ggaactcgag gtacacaagg tttgtccttg 120

acgatcttct ttattcctaa tttttatctg tctaggaata cgagtatata taaaacccaa 180

ggtctgccct tggtacagat tcctccaaaa cccaaggtcc acccttggta cgtactcctg 240

taaaacccaa ggcatcccct aggtccactc actcgcacaa ctatgacgac cacaatcaaa 300

ggtctaagtt caacaacaca aactaccacc aaactatttg gcaaggcctt tcaatcaggt 360

ggaagtcata cttgctcctc aaaaccatca gagaagaagc ttcgcaagtc aaaac 415

<210> 16395
<211> 375
<212> DNA
<213> Glycine max

<400> 16395

tgttcttcga gcttatgcaa atggccataa tatttgactt gggcatccga ttacggccca 60

taacatatcg agaatttcga aaatgaacac agaatctcct agcgaattca aaccacctaa 120

cttttgacac ggatatctga ttgccaccca taacacatcg agactctcga aattgaacac 180

agaatctcct ggcaaattca aactgccgag acttttcaca cgaatgtatg attgaggtca 240

aaaatatatc tcaacgctca aaattcgaca aagaagcttt ggggaaattc caattgtgat 300

gacttttgac tcgggcatcc gattgaggct tgagatagaa tctcctagca aattcaaatg 360

gccataacat ttgac 375

<210> 16396
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16396

ntgagaaaat tctaacgaca ataacttttt acgcttatgt tcaattgagc cccatagtat 60

atcgagacgc tcgtaattga aaatagatgc tcgtagcaaa ttcaaacgac aataactttt 120

aactcggatg tccgatggag tcctgcaata tattgagaca ctcaaaattg aaaatagaag 180

ctctgagaaa attcaaacga caataacttt ttactcgaat gtctgattgt gtcccgtagt 240

atatcgagac gcttgaaatt cagatcagaa gttctgagca aaatcaaacg acaataactt 300

ttaactcgaa tgtccgattg agtcccgtaa tatttctagt ctcacgaaat tgaaaacaga 360

agctctgagc atattcaaat gacaataact ttttaatcgt atgccgattg tgtcccgtag 420

tatattg 427

<210> 16397
<211> 377
<212> DNA
<213> Glycine max

<400> 16397

ttgcatgcat ttttattgac actattgata agtctcccat ggaagcacct gatctgagtg 60

atgctgaagc aaccaaggtt tttcaaaagt acctagatga gtgccttact gctaagtgca 120

ttatcttggc atcaatgagt tcaaaactcc agaggcaaca tcaagacatg gacccatatg 180

agatcgtcga acatcttaag aagatgtacg atggtcaaag caggacggct agattccagt 240

tatctaaggc tctgtttaga tcctcacttg ctgcaaatga aaaggttgga ccccatgttc 300

ttaagatgat tgatctcata gaacaacttg agaagttggg tgcactcttg ggaaagagct 360

09542405.1405250

ttctcaagat ttgatta 377

<210> 16398
<211> 415
<212> DNA
<213> Glycine max

<400> 16398

tccactaaga ttcgaaccca caacaaagta tgtttataaa ccacatctac cactagatca 60

agtcaagctt tatttaaaat tgttagttta aaatgtagat taacaattcc aagacagtaa 120

acaaaacccg caattaaaat gacatattta gatcaaacag cggaaattaa aaatattacg 180

agcgtatctc ccgccattgc aaattaaacg ggaagtttgt tcttccagac ccttactcac 240

tctgaataga tgatgtattt tttctgaata gagaagtggg tttggtgata caaaactgag 300

agcacctcat tctatttata gagtctgtcc atcacagagc tctcaagaac gtgagatatg 360

aagggaaagg gaagttaata gtacgtgaga taagagatag aaaaaaggaa cgtgg 415

<210> 16399
<211> 597
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16399

ggaagaagta ccanattgga gccccatcgg agtgcattgc gaatgaccat agccgcngaa 60

gannnnacag ctcgngnacn cncgcgngaa tcgcgtctcn gacgnagcac agtcgatgct 120

ctatcncctt tgtcttttta ctanacaaca ctcgcagacg catctttgag tcgaagtaga 180

acgtcacagt cgcgacgtct ctacgtccag acactaatta gacgctctag tcgtcttgtc 240

atccgtaatc tgatgacgta gaatacctgc tataatagct tcgagctgag ttcaacgaac 300

cacacctgga ctgtactcca ctgtgatctt ctcacacacc attcgtcggg ctcgcctctc 360

gtctaggcac agagcagatt gtttatcctg acctcttcat cggtcgtccc gtcgttactg 420

tataaactca cagatgctta agacgacgcc gcagctatgc tccatcacat tatcctcgaa 480

gagccgtaaa ttcctcgttt aacgcactgg acattatctc gatcttttga tcgctaaact 540

cgagtttcac aaacgagaac tgtcaccgcg acttcgtcat cacccgccct tggaccg 597

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<210> 16400
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16400

taaaaactag ctagaagttg aaaaactagt tattatctag tagttggaaa actagttgga 60

agttgaaaaa ttgatttatt aaattataag tgtttgatta aactagttgt tgaagtaact 120

caaaagtaaa aaatgataga aaaataacaa aatcatgatt tatttaaaaa aaggtaacaa 180

gagaaatgaa taaagacttg tttatcgaat aaccaatcaa gctttgcaac tagtaaaaaa 240

agctaaaagc aagctgaaat gttttttcaa acatactatt tgtataatgg gacaaatatc 300

acctcattat gcttatcaag tctatagggt ctgtggtgct caaccatgtt aaacctttat 360

actaaagcan attagacttg caaaaccatt ttatttattt ctagacttct atgtacac 418

<210> 16401
<211> 254
<212> DNA
<213> Glycine max

<400> 16401

gcaattcagc tcggacccgg gatcctctga gctgagctgt tgcatgcttc tttgcgaaag 60

cttgacgctg gagctgaact atccacttcc ctatctcttt tagactgtag atccctaggc 120

tcttgacctt gacttgatag aacctgtttt tatgagaagg cgtttgactt gatcccatgt 180

tttactttcg tgaacagaca tccgcgtgat tcaaaactcc tacatctatc atgggtggaa 240

tggatgcatg cttg 254

<210> 16402
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16402

tgactaatcc cgacccaacc cgggcatagt tagttagtga gaacctgtga cgtacctaaa 60

caggcgaact cctggcagtc aaccaataaa gtccacagag caaggaggct tgggtggcgg 120

ctggccagct atggatcttg agtggtatct ggaatatggc ctctggtaat cgattaccaa 180

gggtttgtaa tcgattacaa ggcttaaaaa tggaaacagg atgttaatat ggcctctggt 240

aatcgattac caagggtgtg taatcgatta caaagcttaa aaatggagac aggatgttaa 300

tatggcctct agtatttgat taccaagggt gtgtaatcga ttacagggct taaaaataga 360

gacaggatgt taagatggcc tctggntaat cgataccaat ggtgtgtaat c 411

<210> 16403
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16403

ttgcatgcat tcttntggtg ggacatgttg acttgctttc caatctgaca ttcgccacag 60

atcctgcctt cttctatttt aagatcggga atgcctctaa cagcaccttt gtcaatgatt 120

ttcttcatgc ctcttaagta gcacatgtcc aaatctttga tgccatattc tgactttatc 180

ttctatggac gatagacatg ttgaggagta gctggtttct tgaggagtcc ataggcagca 240

gatgtccttg gacctgctgc ccttgattag agcttcactc ttctgcttcg ttaccaagca 300

ttctgacttt gagaagctta cattgaatcc ttcatgacac tactgactga tg 352

<210> 16404
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16404

aaccataacc ggtgagagtg caatctttta ctttagtgaa ctactagctt tgagtaatag 60

tctttgcatc aatctttgaa atctagaata taacgtatga atgaagacat gatgaacgcc 120

atgattgtat atacaagcca attgactaaa aagcttacct tgaatgataa ttgtatcctt 180

tgcacccttt gtgagctaaa ttacattttc aaaattgaac cctaaacttg aataaatatc 240

tctagatacc ttgcttacat tctatgagag catatggctc aaggaaaatt taccctaaac 300

ttangggagt ggagtcgatt tggatgtaaa gaaaaaggta aagcgtcaac acacacaaca 360

aataagtggt gtgctaaaca aaatgtaatc aaagaaaatg tg 402

<210> 16405
<211> 334
<212> DNA
<213> Glycine max

<400> 16405

tgcttgagct gaaaaaacta catctctaga atcattatga agaataagac acgcgtgcat 60

gacgcattac atagcctacc tattgagcta cgcttcatat agtactattc agtcgtgcac 120

taacctactg gtacctgtat tataccgatt gacacatcct tgtatgaatg atattacgta 180

cttatgggac accagtatct ccgcattttc catcgatgtc acattgctgg atagtgcata 240

ttcaaagcac attctcccaa taatcctcaa caaccttgct tatgctgtga gcacaaccct 300

cagattagtc atgagcatgc ttgcatagac atac 334

<210> 16406
<211> 389
<212> DNA
<213> Glycine max

<400> 16406

gacactacta caaactcaag ctttatactg tagttgtgct tttagtacta ctgtttgtta 60

tgctcttcct tttgacgatg gcctatgtag tgtgtatata ctcaagagct acacaaacga 120

ttgcatacac tagttggagg ctatagcaca aagagaacta atgtggtgga agtcaagcat 180

ttgttgactg tgtcctcagt cctcttgtca actttacaaa gatcctatca tttagtattt 240

ttcattcatc taataaatac tttttgaatt tcgaaagata tgtgacggct atgtgcacat 300

agttgttgtg tgacttgtgg agacctggta actgcttcag ccaatgtgat ttggtcttgt 360

gctttcctta tagtatgttt atgagccac 389

<210> 16407
<211> 287
<212> DNA
<213> Glycine max

<400> 16407

ttacgagcat ggcgatgtat cacaggactg ctcatacatc cgagtgagaa gtgatcgtca 60

gaagaatatc tcatatctgt gtgattcaat aaccaccatc gtgatatatg acgggactta 120

gatctaacat ccgagcaaaa agttattgcc gttggagttt gctgtgagct tttacattcc 180

atggcgaccg tcttaatata ttacggatgt caatcacacg tcctagtgaa aatttattgt 240

tgtttgaatt aattctgagg ttcacaaatc aattatgagc gtctcca 287

<210> 16408
<211> 348
<212> DNA
<213> Glycine max

<400> 16408

ttgagctaat tcaaacgatt ataacttttt actttgatgt ctgaatgagt cccgtaatat 60

atcaagacga tcgaaattga attctgaatc tctgagctaa ctcagacgac aataacgctc 120

tgctcggatg tctgattgcg tcccgtaatc tattgagaca ctcgaaattg aattctgaaa 180

ctcaaagctt attcacacga caataagcgt ttactcggat tgtcgattga gtcccgtcat 240

acatcgagac gctccgaaat tgaatgttga agctctcagc acattcaaac gacaataacc 300

tttttactca gatgcctgat tgactcgtcg aatatatcga gacgatcg 348

<210> 16409
<211> 367
<212> DNA
<213> Glycine max

<400> 16409

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taattcagtc ttaacagcct tacccatcta tttgctgtcc ttcttcaaga tacctaaaca 120

tgtggtgcaa aagattgtat ctattcaaag gaatttctta tggggaagtc accaagactc 180

caacaagatc ccttggggag gcgccatttg cacatgaatc actcttgagg caaaaatcaa 240

ggatcaaatg gctcatggaa ggtgacagta acacatgctt ctttcataaa tccataaatt 300

ttagaagaca ttataatgca gtctaaggaa tattcattga aagtatatgg gttcagcaac 360

caaaatt 367

<210> 16410
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16410

tgttgacacg cggagattta tcgtcatctt ccgcgtacac aagatctgtc atactgacat 60

ttgagtcacg ctgacgggcg gaaatacccg agtggttatc cgtataaaca ttcttttgct 120

gtctgtaaga caaaaagcct gatagcacgc agagactaac gtcgtcttct gcatccttcg 180

tcaatcgcgg ccgacaagcc cgttggcacg cggagattta cgtcatcttc cgcgctcaca 240

agatctgtca tactgacatt tgagtcacgc tgacggacgg aaatacccga gtggttatcc 300

gtataaacat tctttntgct atctgtaaga tgaaaagcct gatagcatgc agagactgac 360

atcgtcttct gcacccttt gttccccggn gacaacaagt cagttgcatg 410

<210> 16411
<211> 375
<212> DNA
<213> Glycine max

<400> 16411

ttcttgctca gtgtctctat gagagtctct agttgcttgg ctaggagctt attctaggct 60

agtagtgcgt cttgtgatgt gagctcgaga agactctttt ttataggtgt gtaggcttaa 120

tcacgaagga tggcattgtc attggctgtc atattttcaa tcaacttcat agcttcatta 180

ggtgtcttta atttgatctt cccaccagtg gaggcatcaa gtaactactt cgaatgggtt 240

cgcaagccat caatgaagat attgagttga acccgtggat gggagtcttc cagagtaaac 300

catggaagta gtcaagagct tcactcagtg atccatcggg gaattgatgg aatgaagaga 360

tctcaacctt tccct 375

<210> 16412
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16412

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tatatctatg aaatttattt ggatgaatat ttgggttgaa tagttaactg agcccattgc 120

atttattatg tccgaatata ttcaaaggat attgaagata tcatatgttt aacatttatt 180

attaagattt agagtttaga gtttatatca ttatgatatg tttttatctt gtctttggat 240

ttgtttcatt tattagaact cttattttgt taagatttgt tttctctttt aggatcaaaa 300

tcttatttta tcatatcttt agttcatata agattattgt tttatcttat ctttaggtta 360

gacactatta aaatttgttt tccgtcactt gttntgtatt tccctataaa taggaagcca 420

tg 422

<210> 16413
<211> 379
<212> DNA
<213> Glycine max

<400> 16413

ttcttgccat tacaccactt gaccattcaa ctaggctgca tcaagatgaa gggaaaccat 60

atgaagatgt agcatcctac agaagattga ttgggaaact tctgtacttg aacaacacta 120

ggcctgacat cacatttgcc actcaacaac ttagtcaatt cttaagtaaa cctagtatga 180

cacactacaa tgctgcctgt agggttgtta agtacctcaa aggcagtcct ggccgaggcc 240

tgttcttccc aagaaagcca gaaatccagc tactaggatt ttctgatgtt gattggggtg 300

gttgcttaga ttcaaggagg tccatttcag gatattgctt cttcttggga gcatctttga 360

tctcttggag agctaagaa 379

<210> 16414
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16414

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agtactttcg acacctactg tacgttgatt tgaccaatgc tgttatggga atgttgcaac 120

aatccttcaa aaccttattg atacattttg agaggttggt tgtcatgtgg ccatatcgac 180

gtccttctct atcataagcc atcgtccatt tttcctttga aatgcgatca atccatgttg 240

ctgtggctgg acttagttga cgaaattttt ctaaattttg gtaaataaat gtgcttgcaa 300

ggagtgtagg ctgcataaaa tgagttatga ataacacatt taagtatata ttaaataaac 360

gtgaccatca aatatgaaat cttacccaat ttcttcaaca tttctttnnt gttggcatta 420

ttg

<210> 16415
<211> 379
<212> DNA
<213> Glycine max

<400> 16415

agcttgttac ttatatggta aacctactag caaggaaagg cggttctagc catgtggtcg 60

tgctgaataa atgacagctc agcggcagtc aatgaaggcc tgtggttacg acgggtactg 120

tttacctgtg aaaagagcat gcaatgtatg cgtgagatgc acgcgaatgg ggccacgtgt 180

gcggcagaca gcaacgcggt tgtggcgtct aggtcatcaa agacaggcaa tgatggtctc 240

tagtaggcac cgacgaaagg gcgtcgggaa ggcttccaaa caaggcagag acgcagtgtg 300

gtactgttca ctgcgatgag ggactgcgca agcaaaaaga agtgcgtgag aacacgccgg 360

tggttcttca agacatgat 379

<210> 16416
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16416

tatcttgctc aatattagca agttcttttg attgttgtgc atatgtcaac acctaatttc 60

aggaaaatac acaaaagtaa aatcaggtca gaattttcat gcaacaatct aggtttgagt 120

cattgatagc caccatcatc aaatattaaa gagattactt tcaaagatga tcattataaa 180

ataaaactat canagaaaac attttgtagt gtcacaatgt ataaaaatga cccgttgttc 240

atacataaca ttccccaacc aacagcatag aacaagcaag aaaatggtag ggctatagag 300

tcctcgtaaa gatagtgcaa gagatatcta agagaaaggt taaccacatt ttgatattaa 360

aactcatctt acacgatagt ttccttttt tccttttcaa gcacgtagat tgagcaac 418

<210> 16417
<211> 378
<212> DNA
<213> Glycine max

<400> 16417

atcttatgct catacttctt cacgaacgtt cacttgcaca agacattctt ataactaaga 60

aaaatgcacc catatacaat caaggcacct tcgttaccta gattatttac atgtacttcc 120

aaggtgtatt tgttacctac atcacacaca tttcctttgc taaattcaca tacatgcata 180

ctctaagcac tttgtctatc aaaaattgca tacgtgcaca tcttggtatt tctaatacct 240

atacatacac aaacttcatg atgaatcttg actatctaca caataaggtg ctacatttca 300

tgctttttgc ctttttttt ttcaagtgtt ttttttact acctagagtc gcatgcaaat 360

tcaagaatat tttctttt 378

<210> 16418
<211> 423
<212> DNA
<213> Glycine max

<400> 16418

tgtaatactg aatttgtaag ggaaggggtg tgttattcta tgtttgattg tgcattcttg 60

tatatagtaa cttttcacca caatttacaa gtttccattc aactgtaccc cattccacca 120

tattcttgtg gctatgattg gggattaaat gatagtattc tgagaaatta ccgtactttt 180

gaaataatac accttaacaa aacaagaaaa tgaaagaata aagcattttg tgccaaaaga 240

aaatacagat tttgcatggg ccacacaatt tatttacgtg attttttaca agaatgacat 300

atggagctgc tgtttcagca tatggcctat tctatctatg cttatggttt tgcacttcag 360

tcaatacaat aatgaaccaa aatacacaga aggccaaatg gatttttctt aactagcaga 420

aat 423

<210> 16419
<211> 386
<212> DNA
<213> Glycine max

<400> 16419

gatgtgcaag cttatttctt tcctttctaa agaaatcctt ctcttgtcag cattcatagg 60

ctcgtaacct agaccaaacc tcccatggtt ttcagcaaac ttcaccaagc ctatcgtgcc 120

atcactgttc gggcacaaac ctatttcgag ctcataacca tctcttaaca taactcgggc 180

caccatgaaa gaggcacctg ataaacatgg ttgtaccgga ggagactcca tgtaagcact 240

gctcataatt tctagtgctt gaaaagatgt ttccaatgac tcttccacag cttccacata 300

aggtgtagaa gacggacaac tcactagtat gtcctcctcg cctgacacta taaccagctg 360

accttccact acaaacttca atttct 386

<210> 16420
<211> 414
<212> DNA
<213> Glycine max

<400> 16420

ttggcggatc aaggagagtg gacctcattc attgacatat tagctttgtt ggtgtttgag 60

accatactct ttccaaatgt agataggcta atgggtttag tagcgatcaa cgcttttctt 120

gcttatcatc acagtaagga aagcccgatc gttgctattt tggccgatgc atatgacaca 180

ttcgacctga gatgcgaaaa gagtagcaca aggatcatct gctgcacgcc cgctctttat 240

gtgtgattgc tctcccacgt gctccatcat gaaggtagac ctgtctgtcc tctacaaggt 300

catcgcatgt gcgccaaaaa gggaaaaaca aattgggagg aactcttgca agtatggtag 360

gggtgtcata ccctaatttt gtttgggggc cttcatttac taatgttttg attc 414

<210> 16421
<211> 358
<212> DNA
<213> Glycine max

<400> 16421

tgcttctccc ctatattgct ataaataggg ggagaagtga agaacaaaag ggttcagccc 60

cttaggcact tctctctctc tcgaaatttc tgaggaaaat tagtttcgtg aagaaaatcc 120

aagccgaggc gcttacgtaa cgtttccgtg agtaattacg cgaagattct cgaccgtttt 180

tcaagagtca tcgatcgttc ttcgatctct tcagtcttca acgggtaagt acctcacacc 240

aagctattca attcattcta tgtacccgtg gtggtccaaa tttcgtttca tgtattggtt 300

attctcggta tcattcactt tttatacccc ctcttgacga gcttatgcca tttattta 358

<210> 16422
<211> 415
<212> DNA
<213> Glycine max

<400> 16422

tcaatggcag gccctctgca ttcagaactt attctctgtc agggatacat agtcgggcag 60

ccaactcctg aggacctggc tatagtttgc agaacctgta atatgtggga aggctctccc 120

ctggctctag aaccaccgga gtctccagga aggtattgag ggaatcaaca tcaaatttta 180

tcaagtgacc tctaacccta acctgttttg gagatttatc ctccgggtca tatatattag 240

cataaaattc tttcactaaa gccacatcca tgctcccctc ggtcaagtta gtcagctaca 300

tgtgctagtt tctgctctca atttctcttc tagattcatc gtattcagtc acaaacagct 360

tgaaatttct ttccgaaaga atattctgac caagaacatt atctgcataa tgatt 415

<210> 16423
<211> 369
<212> DNA
<213> Glycine max

<400> 16423

tttctttcac ttgacagttg aactttaacc tcgcattact taattgttac ggttatgtcg 60

cgagggaagt taatgacaga cataacttac tgcttgccag attgtattgg aatatagatt 120

atgatacaga tctatgctgc gagtgcatat tatgttagct ctgccacaag cgtggtacga 180

aactatctat ttttttagaa aaaaatatca gatatttttt aagaaaatat tatgacatat 240

agctctacta atctatgtgg aaattaaagt atgtgaaatt atgaggataa tctatctatc 300

tatatctact tatatgttat atcggagaat tagaagctga cacatagcat ctgacttatt 360

ctgaaataa 369

<210> 16424
<211> 408
<212> DNA
<213> Glycine max

<400> 16424

ttcataaaga taacaaatgg caaacaactc ttatttaact aacatgttaa tttattgttt 60

gtttgttcgt ttgtgtgaaa cataacttga tggaaataaa ggcttttatg aaacgtcagg 120

aaaaaactgt ttgtatgaaa catttttgca taacattttt ttttcatatt actttagggt 180

acagattaaa aaataaataa ataaatgttt ttattgaaaa tacattacaa atcatggtag 240

acatatatta gtaccatttt ttgatatatt ttttccgatt ctaatttctt aatcatttac 300

ttttttcatt aatgcacata atttatattt gtcacaattt taaaattaaa acatttctaa 360

cgctggctta taaatgattg caaagtatat attactatcc gttcgttt 408

<210> 16425
<211> 377
<212> DNA
<213> Glycine max

<400> 16425

cgttgcatgc aatctttgtt ctaaaggaca atcattaaat gtgtgccaca tatatgcctc 60

gtctctagac catatcactt tgttagcgtt ttggaagtac ggtttgtgaa caatggctat 120

cgtggtattt ttctttgttt gatggaaaaa atatcctctt tgataagtaa aatcaatgac 180

ctttttcaat actcttctcc accaagatag tgaagaaaac tattcaagca aagtctgtga 240

ctccctctac ccctcacatt atgtactaat aataaatgga ataagaaatc agaattaatt 300

aaaagttttt aaaacacatt taaataagat gctctcaaaa gggcacaaga ctcacattca 360

cttttctaac atcataa 377

<210> 16426
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16426

ttgaggtaca tcacttcaaa tttcagagtg tctctataaa gtaaagatat gagctatgag 60

ttattcccta ggtgccattt tcaagtcata gtaatggcaa gtggcagatt caattntaaa 120

atatacaaat aaaaatggac actcttcact tttctctgtg tgtgtgactc aatctaccac 180

aacttagtag gttaagtagg ttgactacta taacaaagag tccaattacc aacggaaaat 240

taccaacaaa tccaaatctg tacgttggaa atatgagcat tttttacgga ttttctttca 300

tcgaaaatgt ctatattact gacagaagtt tccaacaaat tttcgtctaa ttttttaaa 360

aaaaaatcaa taaatattta ttgatgtatt tatatcaatc aaaatgttta acat 414

<210> 16427

<211> 351
<212> DNA
<213> Glycine max

<400> 16427

tgtttttata gaaggatcgt tcctaatttc tctacaattg catcacctct caatgagctg 60

gtgaagaaaa atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttgtaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgctacaagg tgggcaccct 240

attgcttatt ttagtgaaaa acttcatagt gccaccctca actaccccac ctatgataaa 300

gagctttatg ccttaataag agcccttcaa acttgtgaac attaccttgt t 351

<210> 16428
<211> 420
<212> DNA
<213> Glycine max

<400> 16428

tgaacatgat gaaactcgtt aactcaatgt cacttttatt cactcaattc gctcaagttt 60

ccttttttcca gtgtactaat gtttgaaccc ggcaagtgca ctggattgtg caagtagttt 120

aaaacggtaa gaatcgagta tcgaactctc gaggaacttg tgttacttcg taaagctata 180

ttcagtgaat aggtgtctag tatgaaaaga gatgtgtcga ctatgcacaa gtatgtaaac 240

taactattaa aaggaaaatc acgtgagtaa tgatgtgtaa agacaagtag acaacacctt 300

ggtcttccta tttaggtgcc tgatgttaaa aggatattct ctacttaaca atgctcatgt 360

gttctatggt gtctcctgaa atgctaaacc ccgattcctc atgatagtct atcctaatcc 420

<210> 16429
<211> 386
<212> DNA
<213> Glycine max

<400> 16429

aagtctgctc gcatgctttc tttcttcaag cttgttcaga cacaattttc caaaagcatt 60

aaggctatgc ggtctgataa tgctaaagaa ttagctttga ctgagttttt gcataatgca 120

ggagtagttc accagttttc ttgcccacac agacctcaac aaaattcagt aatagagagg 180

cgccatcaac acctattgaa tgtagcacgt gctttaatgt ttcaagctca gatgccaatt 240

tatttttgg gagagtgtgt atccacgaca gcttacatcg tcaacagaac atcaagctca 300

aatttgcaga accaatcacc atatgagttg ctatatggta aagtaccagc ctatgatttg 360

ataaaggtgt ttgggtgctt gtgcta 386

<210> 16430
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16430

ntaaactgtt ctcttacttt aatcacagat cttatgcttt gaattattac aaagangctt 60

cattgctatg tggtgccact tggcttatca ccggcaacca cctggttatc ctgtgtaaaa 120

ctccatggta ccagagggct aaggagttat gggcttctct catgatgctt atttggtata 180

ggggcaagca ttctagattt gatggatgat ggaatcatta atttacagtt aaagttttct 240

taagctcctg agtcctgatt gtttgcaaac tcattaattt attgctgagg tggtcatcat 300

actgcgatat gtatcgacaa attcataatg tatttctaaa atatttgttg gatcaaaaca 360

cgttggtata cattactggc ttgcattatc tttgagcact gtcctatgaa tgatacttct 420

gc 422

<210> 16431
<211> 347
<212> DNA
<213> Glycine max

<400> 16431

ttcttataca atggagggta caaactacat gaactggatg gaaaagcaat tccaagaaca 60

cggaacacta cccatatgaa gatctacttt agttgaccta atgcaagatt ggatgttgta 120

ctctttttcc tacttaattc ttttgaccct gtcagaccct aattttgtcc ggggactatc 180

atttgctaac gttttgattc ttgctaaccg aattgagctg cttgacacca gttgctacgc 240

aatatgaaag gtttttcgat gtttcgcgaa agaatgtaga aaatactcaa atgggagggc 300

aaaagggtca ttttggagtt attctgaccc ctggctcgcc caggata 347

<210> 16432
<211> 405
<212> DNA
<213> Glycine max

<400> 16432

tagattgaat ccaaagctat attgttaagg caattggaca ctcaaagaag atgctgagag 60

tagtgtttta aaacccaaac cgaaccgata ggtcagattg gtccaagata aagcctttcg 120

attgtagctt atcaccagaa agaattttcc agtaataatt tctagagaag aaaagaagga 180

gaaggtggaa tggcttggtt ccaattcttc atcccaagga accttatcat cacaaggata 240

ataggtatga cttaattccg aatctccaaa aacatatcag gaaaccaagc ttcaagagat 300

gctggaagag actaagaatt tcctgagata aaatcttcta ccttagcttc caacaagcta 360

cgtaattgat atggaatatt acaaagattc acaacaaaat cacta 405

<210> 16433
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16433

caaacccacg caaaacccat gaaaccccac aacatgtatc aaaccagaag agaaatgaac 60

atgatgatca atgcaacann ganaaaagag ccgcacaaag gacagaaaga ggagaactcg 120

cggattccat gctcagcaca gaaggcaacg aaaaaggtaa acaagcataa acactcaagg 180

aacgcgcgaa caacaaagcg gccatcccat ggggagaaca ggacaaccac ggcgcaaaac 240

cgccacgaga ggagctcaag gaagcacacg aaaccaaccc ccctaaaagc cacagcaaac 300

aggagccaaa acgtgaggac accagagaga aaatacgaga aggagcagca aaaagcgcca 360

ccaccatagc gataaaccgg gaaaaactaa ggagcacata ccacaagacc cacacacagg 420

aaaacaagcc cagcgcaaaa ggacgagaac accaaccccg agaagatgca ccgagcaaca 480

acgcaaacca aactac 496

<210> 16434
<211> 262
<212> DNA
<213> Glycine max

<400> 16434

agaatgtcgt catgaactga acagacaaaa tcccgtgcct tagaattctt caactttgcc 60

accagttctg ggcctccacc ccagcatctg ctaatctaaa gactcttagg cccgctcaat 120

taatcaagag aactcagaac tctcctgaaa acctttggct atatggctcc ttgcaagccc 180

cacaaagacc aatagagagt acacaatcaa taccgtacat tgaaaaaggt tgtccagata 240

tattcaaccg attgatcgac tc 262

<210> 16435
<211> 378
<212> DNA
<213> Glycine max

<400> 16435

agcttcaaga ataatgacat catccaatta tttatttccc gaagggaatt ctataaatag 60

gcctcctatt tttaatggcg tgggttacca ttattggaaa acccgcatgc aaatttttat 120

agaggtaata gatctgaata tctgggaagc aatagaaatt gggccctaca ttcccactat 180

ggtggcagga aatacaacca tagaaaaacc tagggaagaa tcgagtgagg aagaaaagag 240

attagttcat tacaatttaa aagccaaaaa tataattaca tctgctttag gaatggatga 300

gtactttagg gtatcaaatt gtaaaagtgc aaaagatatg tgggataccc tacaattaac 360

acatgaaggt acaacaga 378

<210> 16436
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16436

tataagaaca aaattgcctc aatcatttcc aaatatgcat gtgaattatg atgcatcaac 60

aagaatcaag ccaaggctat tgtgcaagca atcaatgggg caaaacacgc caaatgatta 120

tgatgatgga tggctcaaat tctcacaaag gtaaactcat cactttcaaa ttgagctttc 180

aaaactatca tgacatgtag aggagaatca aggatttcaa gtcacaaaat gtcaaaaact 240

tttattttca aaacaattac ccatttcttg aacatatcct ataattcaaa gaaaaacatg 300

caaagtcgta catgcacaca aaattgaccc aaaatattaa actaacaatc cgacgaaact 360

aacaacatta acaaattaac aaaaccaaca aaactagcan aaccaaagaa cactcccccc 420

cccat 425

<210> 16437
<211> 376
<212> DNA
<213> Glycine max

<400> 16437

tgcttagaat tggaaatggg atattgaggt ggcctctggt aatcgattac cagtgccgtg 60

taatcgatta cacagagtaa caggccactg gtaatcgatt accagttatg tgtaatcgat 120

tacacagtgc atattgcagg tttccatgtt ctgaagttgt gtaactcgag tttggcctat 180

ggtaatcgat taccaatgtt gtgtaatcga ttaccagagg agaaaaccct tgaggcatac 240

tttttaactt catgtagtgg ttatgggaca cattgtgttg ttaaccgtag ttagatttct 300

cgtgaaagag tctacccctt tcttttattt cttgtagatc gcgatgacaa tgcaattaat 360

ccatgaccga gtggag 376

<210> 16438
<211> 421
<212> DNA
<213> Glycine max

<400> 16438

ctaagctgct tgggagcttc tatggaggtc ggatctttta tctttattga ggtccttcaa 60

tggtgatttt ccaccatgaa gatgcagcgg aaggcaaagg agaaaatgag attttccacc 120

atgggggta ggattgcatc atcctttcca ccttggaaat gatttgacct caaatcccga 180

ggttcttcat actctgggct ccttcccttg acacctataa aaagaataaa aacatatgta 240

ttagtggtgt tgggtatgtt agagtaggta aggtctgaaa acccctttca tagagatttt 300

cccatgagga aacatggttc ctcaccaact caatgagtgg tgctacaagt atagaaaaat 360

atgggacaaa tcttttgtaa aagtttgtta agtcatggca gccccgaatt tcccttatac 420

t 421

<210> 16439
<211> 376

<212> DNA
<213> Glycine max

<400> 16439

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agtggatggc gcctcctctc acctcttctc ctttgtcttc cgctgcacct ccatggtgga 120

aaatcaccat taaaggacct cattgaagct caaagatcca gcctccatag aagccccaca 180

agcaagcttc catcaagtgg tatcagagca caagagcttc aagtaggtgc tccttaaacc 240

tccattaatt ttttgcttta ccttctcttc cattgttgtt tcttcatttt ttctccatgt 300

atcgcctcac atgtcttgtg ataaatgttt ttagcatgat tctttagagt ttccaccgat 360

taaacttgct atagaa 376

<210> 16440
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16440

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acctatactg accactcctt tcacaaccaa ttaacacaaa tgaactcctt cctctactat 120

cagtctgtgt cagacctcat aatgattaca acaaatccat ttttatgagc aactgatcaa 180

gcccactgca aaacatcatc tcaggtatca aacacctaca acgcaatcca ggcaatttta 240

gttttctaca acatattcat tttatgaaat cactcacaat aacgaacatt attacctaag 300

aagtattaaa cgcatccgaa caatcaacat gtggttcatt cacaccacat tcttgttcat 360

tntgatcatc catatcaact tctttaggca ttatactgtc atgcatccat tgatcttcgt 420

tcatc 425

<210> 16441
<211> 380
<212> DNA
<213> Glycine max

<400> 16441

agcttgtatg attatggggt acccatcaca tgtggtacta ggtggcggtc gggcaatggt 60

gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120

ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt 180

ccccatcaat cctcccaagc ttccacaaca tccaagcaaa acaacattca cacagcacaa 240

gctatcacag ccaagcaaaa caaagcaaag gcagaaaact ctgccaaaac accaaccaaa 300

aatcacagct tttcccactc aaagacccca gtaacaattc cttcgatcca atttgttaac 360

cgttggatcg actccaaaat 380

<210> 16442
<211> 421
<212> DNA
<213> Glycine max

<400> 16442

tgtcctgtgc ttgtgccctt gtgcttttgt gctttcttct gcctgcattt caagtcatcc 60

ctgcatcatt cttgctttca tcttacatcc tttactccat cataatccaa gtaagtagtg 120

cttcatttcc attttcattt tcatgctttg aaccttagga tagacgattt cttgctttgt 180

tagcttgcct tgctgtttag gttagggttt ctagctttag ggtttgttat tttaggattt 240

aggttgagtt gtaagcccat taggggcaat gctgctaaaa ggggtgaaga cccctgtgtt 300

tctatttaga aattgcgatg gacacgctaa gtgcgcctgc tacgcttagc ttgtttatca 360

cagctgttaa atttttgat ttccagatga gggcgctaag tagaccatgt cgcgctaagc 420

g 421

<210> 16443
<211> 358
<212> DNA
<213> Glycine max

<400> 16443

aacaaaagac atcctataag aacattgcgt aacgcacatg cctcaattca gccgtctctt 60

aatcatcagg gacattggac tttcctcgac gtcgacaggg gtccagaagt aaacatatac 120

tagattacca ttcggttctc aacggaataa atcagaccct ccgagaatgg ctcgactcag 180

ctgtacatac tgcccaactg tacaatgcgg actaatataa gatatcagcc cagttcccgt 240

tgtcgagaat gaccttgcac actatgaacg tagccaccta tatcttgatg accatcggag 300

cattgtgaca tctttcagtg accccgcaat ccttgattgt gaaaatgata gggggcat 358

<210> 16444
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16444

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tatatcaaat ggacataaaa agtgcattcc acaatggact aatataagag gaagtctatg 120

tagaacaacc ccctgggttt gagagtaaca ctttccacaa catgttttta aactcattaa 180

agctttgtat gggctaaaga aaactccttg agctttgtat gaatacctta gttcattcct 240

tttgataaat ggttttgaaa gaggaaaagt ggatatagct ctattctgca aaaactatga 300

ctcctaattt atattagtac aaatctatat ggatgtcatc atacttggtg ctactaatga 360

acctctatgt gaggatttct ctaagttaat gtacgttgaa tatgaaatga gcatgatggg 420

<210> 16445
<211> 370
<212> DNA
<213> Glycine max

<400> 16445

ttcttgcgta gccgctcttg gtgctcacaa aataccaaat acaaatccct cttattacta 60

gctatgtttg aatgctttag ttactgaatg tacaaccttc aaattgttgc tcgatcccct 120

ctttggtttc tgcaaaaaag aaaaacaata tcaaagaaaa cattgacaga taggtcatgg 180

ttattattac tcgaaccaaa aggaataaca tttaaacgag tcatattatt tttagaatgt 240

gaaaactcta catatctatg gagaacatgg ggtatggagg cacgtaatca tgtgaatacc 300

acaagtcatt ttctgcaatt caaggactgg attaattgct ctaggataaa agcatacgtc 360

tcggatattg 370

<210> 16446
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16446

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gctgctggaa cgnnnacccg ctgaagacac tgcctgaatc tgatgctggc ctttctggac 120

ctagcttggc acgctgccgg catgtaaatt gtcttcccat cacaccttga atgctgctgt 180

caccgtatac acgtatcagc taaatcttga ctggtattga agccttccat tgacatggct 240

tgaatgctaa ggtgcgatcc catcccactc ctcctggcct atttatccac atgcattaca 300

tcaataca 308

<210> 16447
<211> 378
<212> DNA
<213> Glycine max

<400> 16447

tttgcatgct ttttttattg aaaatttaag ataccctgt acttcaggga acgatcctag 60

tcttttgtta taaatgacta ctccatggac taacggcttg actgatttat agaataccgc 120

gtttatcttt ctgaaacaaa cgttcacact gttcggactt gactcttgat tcccttgacc 180

atagtgaagc ccctaaaact aaaaacagaa cattcagaaa aagagtacta ctttcaaccg 240

acgatatttt gggaacgtaa ttgaattctc tcttcgaaaa ttctaatgaa tgcaaaatat 300

gcccaaaaac agagtgtctt ttttagttca attctagtat attatcaata taaaaaatta 360

tattattaat tgattaga 378

<210> 16448
<211> 415
<212> DNA
<213> Glycine max

<400> 16448

tattttcaag aatacattta tgatgatatg tgatttcaaa tattaaggga atttttacct 60

tttatcttca agacattatt ttctcttagc atattaatta gtggtcaacc ttccccattt 120

gttttgcttt attcaaacga atttaatagc ctccagagaa gcatgacctg catgtatccg 180

taactcatca aaggagatta ggcatgtact tcttccgttt catgtcaagt actggtgtca 240

tagatctttt cacatatcag aaaagttaat aaatcactaa ataataataa tcttataaaa 300

ttaaccttat ttatattaaa aagtaaattt taaaacttat cttttattac actacagtta 360

ttatatgaca gaaagtatat agcatgcaaa cttgtatttt caggttcaag tttat 415

<210> 16449
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16449

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gaatagtcag gtgtagcgac agacaaccag catatagata gccatgagaa tgcgaaaata 120

aatgcacaca aagaggctag aggaaaggtg attgacgccc tcagcaacag gcagcgcgcg 180

aacggaccgg cttgctatta ccagaacggc aggcaagata ttgcacgntc ggaaacaagg 240

ccaaggcaga tggaagacac ccactccacc caccaagaaa ttcaagggct tctcggctat 300

tgtcgacaca agataaactc actggaccac attatggaaa ggttggatgg aaacacagat 360

gcn 363

<210> 16450
<211> 367
<212> DNA
<213> Glycine max

<400> 16450

gaggaaattc aaacgacaat accgttttta tttttgtcgg attgagtcac gcaatatcgg 60

gagacgctgg aaattgaaga ccgaagctct gagcaaattc taacgacaat aactttgtac 120

tctgatgtcc gattgagtca cggaatatgt cgagacgcta gaattgggat accgaagctc 180

tgagcatatt catacgacaa tgcctaatga ctcggatgtg ggattgagtc acgtaatatc 240

tcgagacgct cgaaattgaa taccgaggct atgagcgaat tcaaacgacg aataactttt 300

tactcaggtg tgcgattgag tcccataata tgacgagacc ctcggaattg aataccgaag 360

ctatgag 367

<210> 16451
<211> 354
<212> DNA
<213> Glycine max

<400> 16451

ttcttcatgc acaaagtagg ctaaaaaaac tctatgtctg acctacacaa atttgtactc 60

ttccatctga tggacgagac ccctttcgac cttccacaca ttgtctacat caatatttta 120

aggaacatga agccctcggg agaagtggat gacatctact atgccaccct catcagcaaa 180

ctcctctggg aacaccaagt attccatgtc tttgaaagat tggacgagga ctccaagcag 240

tccatcatca gtaaaagaac tttcggtgcc acacagtaac actttagtca acaagcttgt 300

tgactgtaag caacaccagg taagacttat ctattagtgg gcaccttgtc tact 354

<210> 16452
<211> 334
<212> DNA
<213> Glycine max

<400> 16452

ccccaattta atggattttt aaggtttgag aagtgaaatt gagaatgagg taaatttgga 60

gcaaactctc accgcttaca aaaattccgg gtagaaattt ccaggatgtc acacaaacaa 120

acatcaaaag aggatccata tacagtgaaa tcatccataa acacctcgat gcaatttttct 180

aaaaaatcac taaaaatact aatcatgcac cactagaaga taccaggggc attgcacatg 240

ccgaaaggca tcctcctgta agcaaaagtg ccaaagggac atgtgaatat ggtcttttct 300

tgatccttat gaacaatagt gatttgcata taac 334

<210> 16453
<211> 331
<212> DNA
<213> Glycine max

<400> 16453

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aacacctttc tatgctaggg cttgttaacg aggtgtacca ttccattgct atattgtttt 120

gtagcacccc agtgtggtct agtaagatca ctaaaaatag tatcaaaatt ggaccacttt 180

gtatttaatt attcatttat gtgagatatc tatggggcac atctacttta ccacatgaaa 240

gttgaaatga acctgtgacg cgaggaggat tccaatgagt tcaagaaaga tgaagaacat 300

tcgtgaaacc acgacctagt tgggagttaa t 331

<210> 16454
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16454

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gctacgcagc ttcctggtcc aaactaccat tgccgagagg tatacttatt tgagaatgtg 120

tgctttttaa acaaacatca cgtctcttaa aattaactgt ttcttctttc tggtgactgt 180

gagtggtaaa ctatgcaagc tggattcttt tcaaataatc ttttgattta actccacttc 240

atgtatcgtg caggggtcta aacttgctac actgcctcat ccagatagtg acgttgaagt 300

cctcttgatt aattgctagt atactattgt tcttgagttc tttagctttg actcctttgt 360

ggtgttatgg tgctcatttg cgtttcatca tgcagttcca cgt 403

<210> 16455
<211> 365
<212> DNA
<213> Glycine max

<400> 16455

tgcttgtctc agcgtttatg cgagacggag accaacatgc tagctatcat cgccaagtac 60

caagaagagt taggtctagc gacggcccac gagcatagaa tcgcggatga gtatgctcaa 120

gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacg 180

atgtggatgg accggtttgc tcttaccttg aacgggagtc aagaacttcc ccgcttgtta 240

gccaaggcca aggcgatggc agacacctac tccacccccg aagagattca tgggcttctc 300

ggctattgtc agcatatgat agacttaatg gcccacataa ttagaaatcg ataggaaact 360

tgtat 365

<210> 16456
<211> 406
<212> DNA
<213> Glycine max

<400> 16456

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tgccatttct tggattatag ggttgaacca agctcatgct tttacaaaaa ggttcatcaa 120

gtcaagttga aatatggaag taaccgtctt gcaaaattgg ggcaaaagac gaatcacatc 180

actgcttcgt ctactgccaa acatatttag gattgttgat gtccttgtta cttccagttt 240

caccttgaca aagatgtcat ggaccatgtt gaaaatctaa attgattcaa ccccatatcc 300

tgcgtaaaaa ttcgcaatac ttcgactgta catcattcgc atgcatccat gcttttcatt 360

ggttgcattg ctcattgcat tctttccttg aaaaataaaa taaaat 406

<210> 16457
<211> 366
<212> DNA
<213> Glycine max

<400> 16457

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gacataaata gggaaaagga aatgttgtag ccgatgctct ctctcggagt catgcattac 120

tttctatgct cgaaacataa tagagcgccc atgaatgtta gcaccgcatg tctgaacatg 180

atgaggcttt tggagaaatt tttaaagctt gagataaggc atcagaaaat ggctacttta 240

gacatgaatg cttactttcc aaagaaaaca catggtggat gcctaaatgt gctacaagaa 300

aatggcacgg ctgtgaagca catgaatgag ggttaatgcg gcatttggtg gtacataaga 360

gtctaa 366

<210> 16458
<211> 331
<212> DNA
<213> Glycine max

<400> 16458

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gcctatggag tgagacctaa agctgtattg aataccaagt gggcactcta ttgcttattt 120

tagtgaaaaa cttcacggtg ccacactcat ctaccccacc tatgataaaa agctttatgc 180

cttaacacga gccatgccta cttgggagca tcaccttgat tcccacgaat ctgtcattca 240

tagcgatcat gaatcactta tgcacattcg acggcaacag caagttaagc caaaagcatg 300

ctagatggct acagccctat agcacttcca t 331

<210> 16459
<211> 378
<212> DNA
<213> Glycine max

<400> 16459

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acccgtggct acagctgttt gcaagaagtg acttcttcca gcaagtctag caatattcaa 120

aggagaatat tatgcaataa ccacattatt attgtttcac aatattttgg attattgact 180

tttacacatt ttttggaaga aaaaataatc acgtgaagaa cttttacaat ccactttgct 240

ttgcaaatta ttacaaatat ccatgaacat ctttaacgac ttttatatat ttggattctg 300

gaatggagct tgcatgagaa aatatagcag ataaagttca caagtaatgt taaggattaa 360

ataagttttt aatatcta 378

<210> 16460
<211> 426
<212> DNA
<213> Glycine max

<400> 16460

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gagctgactc tttaaaatct ctagcctgtt tttaccggtc ctttttatgt tggacactaa 120

aactgacgcc cttttaaaat attggttatg ctgttaaggg ttttgtcctg ttcatgttgc 180

attggttcta ttgtattttg ttttatgtct tttttatata ctaaatcaca tgctatttgt 240

ctttttttta tatactaaat tggtgtgaat tgaccaagac tgataaggag tgtttggcca 300

tgttcctagc cattgtgggg catcttagca ttctatttct atttgtcggt aatgatgaga 360

aatacaagtg accaaaaatg tcatatatga aggtcactag ataaatagtg cttcatccct 420

cctgtg 426

<210> 16461
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16461

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cttgggggcg taggaggact aggaggtttc cagccagtga tcttatagaa gtagtcccta 120

atcatgaacc atctgcaagc ctccttttta gcatgagcat gatccttcaa ggcttgagca 180

agagcttttc ttgttctggc aagttcagct tcaagcaaac taacataagt gcgagaggat 240

ggaggatcat acacttggac aaccatggaa tcagaagcag cttcagcctc aacattagat 300

ttgacttctt caatgatagg atccatgtga tgtgtgaaga agaatttgga gaagggaagg 360

aatgccatan acaaaaaggg 380

<210> 16462
<211> 428
<212> DNA
<213> Glycine max

<400> 16462

tgtatattgt cttattcaaa acaggaccac tttcatattc ttcccttgca ttggcataat 60

gttcaattac tgtcaaggct tttggagcat ctataacttg ttcaactata ttttgtgcaa 120

catttcggtt gataagctgc atcaaatctc tctttttcct ctgtattctt tcagcacgaa 180

agtatttttt ggttttcaat tgcttggcaa ctttagtttg tatctctcct ttgacaatct 240

tcttccgtat cgcatccaga gaagcccccc tctcaagctc ttctaacaat tcttttcttg 300

cttcctcaaa ttccatctaa ttcaattaag cagtgagtgc caaaaagtat tgttagagaa 360

aatgaaatat gattgacaat ctaagtaatt aatatttaat actcagcaga aaaaagaaga 420

aatcagaa 428

<210> 16463
<211> 363
<212> DNA
<213> Glycine max

<400> 16463

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ggtgattttc caccatggag atgtagcgga agacaaagga gaataggtga gaggaggcgc 120

catccactag agaataagcc atggaagaag gagcttcacc accaagataa gccttggata 180

ataaacttgg agaggatgct tcaatggagg aaaataaaga gggagagaaa gagagagggg 240

ggagcacaaa attgaaggga aaaaaaagag agaagttgaa cttcgagttg tgtctcacaa 300

gactctcatt catcaaagtt acaataagtg ttacacatgc ttctatttat agactaggta 360

gct 363

<210> 16464
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16464

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cttgtcgaac cctcatttac caagttttct atctactttg tataacgatg aacctcctac 120

cttaaccctc ttagaaatgg gaccagtgct tccttcatcc tcagtggtaa aagccttgtc 180

accagtatcg cactcatcat ccatcatcaa ttcatgcatt aacattcaat tatatgaaat 240

cttcctctat tttggaaagc atatgttcct tagatttcat agattcaatg aacaatgcac 300

taccactaaa agtccacaat gtctttcttg aacctaatta cgacaataac aaacaaaaga 360

atctaatgat ttagcaatac tctcttttct ccactacaaa atgaanagaa aaaagag 417

<210> 16465
<211> 415
<212> DNA
<213> Glycine max

<400> 16465

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ttctggtttt ccaaaccttg aaaacttgtg ctattcatct ttccattctc ttctcccttt 120

gccaaaaaga attcgccaag gactaaccgc ctgaaatctt tttgtgtctc tcttctccct 180

tttccaaaag aacgaaggac taactgctga attcgtttgt gtctcccttc tcccttgtca 240

aaaaattcaa aacgacacag tctaagaatt cttttgattc ttcccttccc ctaatacaaa 300

agtgttcaaa ggactaaccg cctgagaatt cttttgtatc cccattcaca aagtatcaaa 360

ggtttaacag cctgagatct ttgtctcaac acattggagg gtacatcctt tgtgg 415

<210> 16466
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16466

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taatttctaa ccgagagtat ttatttctcc agtaccatta ttcacgttca atatcgtatc 120

aatattattg aaaattctag ggatatgatg agttgacatc aatgtcaatt ttagatctgg 180

ggtatccagg tcagcataca ccatcatcat gcatgcactt gaactttctt taatttccct 240

ttgcaacatg gcaatcctta acattntgta ctacttattt ttccccttttg caatgtggga 300

attcatgaca ttttttttgct ttggttgaaa aatgattcgt tntctttacc taaccaagag 360

acatggtacg tcaagggctt cttgcctaga atacgatgga tacacatg 408

<210> 16467
<211> 367
<212> DNA
<213> Glycine max

<400> 16467

ttcttataga ttgtccaatc cataagtggt tcaaataatt gtttttttat ttttttttca 60

aaaatgttgt acaaattaat ttaaaattaa tgacccatac aagaatcaaa ccttcgagat 120

ttgtgttatt agcacaacac tctaaccaac taaactaata aatgaattat attatacaat 180

aattaatgtc actatatgta atactaaaat ttttaatatt taatgcgcat gaaaatttag 240

ataataaatt ttgcaacaat taattttgat ctaacaatta atttgtttac acatgttcgt 300

agaaaaacaa ccactagacc acatgtcatt cacatattgg ataattgaac actgcagaag 360

ttgagtg 367

<210> 16468
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16468

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aaaaacaatc ataaattaca aaataaaaat taaaaaatca aatcacaatt tgtggctgta 120

caacaaccac cacacacgtc caaggcaaga gattcagatt gagggcccaa ttggtggcta 180

gaacaacggt gttgctggca aagttcaatg taatcactga caacaccatc atagtcaccc 240

aacgcatcat caagaagctt ncaataggga caaatttcag gctcacaaat tgcaagtcca 300

cccccgcaaa gcctccaccc tacaccctca cagatctggt tgtcgatgta gaggcatcca 360

tcggaagaag aggcaatggt gcacaatgtc aaggttgagc caat 404

<210> 16469
<211> 371
<212> DNA
<213> Glycine max

<400> 16469

tcattcttct ttgagaaaac ttccttgaga agctaaagct tagctacaca cacccctctc 60

ataactaagc tcacctcctt gagaggcttc cttaagaaga ttcttaaaga agctagagct 120

taactacaca tacctctcta atagctaagc ttacctcctt gagttgagaa gctagagctt 180

agctacacac cccctataat agctaagctc acccatgaca aaaaacatga aaatacaaaa 240

aaaaagtcct tactacgaag actactcaat agaatggcca aaatacaagg cccagacaaa 300

ggaaaaacct attctaatat ttacaaagat aagtgggctc atacttagcc catgggctcg 360

aaatctaccc t 371

<210> 16470
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16470

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tctactatca ttgatcttca agaagaaaag gactccattg atgaagaagt ttcaaggcgt 120

acaagctcca catggggcta catcagacag cgtcgactgc gtcacgtcac cagaaaccac 180

caagtcctcg gcagcatcca ggtggaacct cccattcgtc ggcgagaacg agtgtgctag 240

catccccaag ctcccgtcga acggctcccc ctggctgtgg tcaccactga agaacccgat 300

cctaatgtcg gtgcttgttt ataaataagt gcaacaagtt tttctttcat tgtgnctctc 360

ttgtgtgcct tttccatctg caacaaagct tgttcta 397

<210> 16471
<211> 232
<212> DNA
<213> Glycine max

<400> 16471

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ttgataccgc tcacggttcc ccgacgcgta ctacccgcaa acatggagtg tcactcctga 120

ggtgcccatt gaatgaactt actttcattg attgcgttga gcttactgac cgctctccag 180

tcgtaactgc tgacaggccc acttgcttat tgagaactgc aacccgaacc cg 232

<210> 16472
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16472

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gggatgacat tacattntgg atgggtaatg gcggagcata tggttcttga atgtgatggt 120

ttcaaggtaa gctgataaag cccatgactc acttcaactg taccaatctt cactttggtg 180

ttgatatcct gcaaaacaca agtattagag gagaagatta actcggagct gtttgcggaa 240

atgagtttgg atatggatat gagattaaag ctaaaagaag gtatgtatag aacatctttc 300

aatgtaattg aagaggtgag atggacggtt cccgagtggg tggcatgaac ttcgtgtcca 360

tttggtaact taactagaat gggtttaatt tggtgatatg aatcaaaa 408

<210> 16473
<211> 164
<212> DNA
<213> Glycine max

<400> 16473

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gtgattccta gggtgtgtgg ctataacgcg gtcgtaagag acctccgagt gaaataggtt 120

tacgatcaca attgctcacg agctaccatt gtgcaagctt tagc 164

<210> 16474
<211> 130
<212> DNA
<213> Glycine max

<400> 16474

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atggagacgc tcgaaagtga acaatcgaag cttttgacca ttaacctgg tcataactcc 120

taactaagat 130

<210> 16475
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16475

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gcaagcacga cctgctgcac ttgcacatac atcgtcatcg tattcatccc cttgcttttc 120

ctttgcaaat gctgctcaat tgttcataca aaaatatgct cctcacggaa taaagaaaga 180

aaaaataatt gttataataa gttttttcct gtttataatc ttttttttt tttaagttta 240

taaggagttt tgcctgtgga agtaaaccat catttgacat ttaaatgtca atttttgcta 300

tatagaaaaa tgtcattttt aaattaatta tgtagaaaat atgaagccgt tttggtaaaa 360

cattcatcga taacattgta attataaaca agtttttctt tacagatatt tacccctttt 419

<210> 16476
<211> 161
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16476

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tgatgccgca tagttaagcc agccccgaca cccgccaaca cccgctgacg cgaacccctt 120

gcggncngat tgaatttacc ttgttataat gattgctatc g 161

<210> 16477
<211> 408
<212> DNA
<213> Glycine max

<400> 16477

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gatttcagca gatgttaaat tatttgacac aaatcacatt agtcaaagta ataaaacaca 120

aaacacttgg acttatgcac ccaaataaac ttagatagcc atgacctttg gcagttaaaa 180

aaagaattgg tagacacatg atttcaaatg cttcaaagaa ttaatgttaa ctactctttg 240

gagtcataaa agaggaaaat ctgtaaaatt aaaaagtggg ctaggggtgg taattagtta 300

cactcaccaa agaatgttgt ctgttgactg tgcatgctat taataattaa taatatacta 360

aaaaaaaatc aaaatatggc accacccttc tcatgaagag cacaggat 408

<210> 16478
<211> 413
<212> DNA
<213> Glycine max

<400> 16478

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cattgggaga tataatgata gggtgttgtg tgatatggtc ccaatggaag cgacccatgt 120

gctgttagga agaccgtggc agtatgatac caaggcagtg catgatggct tcaccaacaa 180

aatctctttc aagcaagatg acaacaaaat tgttctcaaa ccgttatctc cgagagaggt 240

ttgtgtggat cagataaaaa tgagagaaaa gaaaaggagt gagacacttg agaggaaaaa 300

gagtgaaaca cttgagaagg aaaagagggg aaagaaaaag agtgaaacac ttgacaggga 360

aaagagagaa aacatataga gtgaaacact cgagagggaa aagagagaaa aca 413

<210> 16479
<211> 373
<212> DNA
<213> Glycine max

<400> 16479

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tattcctgat aatgatcttt tggtataata atatcgttca acactcgtga tgcatacaaa 120

taggttaaat taggaagttt ctttgaaaat cgatattaac acggcttttt acactatcta 180

taaataatgg catttttatc gacatcgtga tacctacgat ccgttatgtt gcggaactcg 240

ctttaaaaaa gtgatgcgcg tggcacctat tgtcatcttt gcgtaataaa tcgcatttta 300

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ccggtcttat aaa 373

<210> 16480
<211> 379
<212> DNA
<213> Glycine max

<400> 16480

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tccccaaatc ccttataaat gtaaagatcc aggtacattc aacatacctt gtattatagg 120

gaacaaggag tttgacaatg ccatgctaga tttaggagct tctattagtg ttatgccttt 180

gtctattttt aattctctat ctcttggtcc tttgtagtca actaatgtgg tgattcattt 240

agctaataga agtgttgcct atcctgctgg tttcatagag gatgtcttag ttagagttgg 300

tgaactaatt ttccctggtg attcttatat ttagaatatg gaggaaggat tttctcatgg 360

atcacttccc atcattcta 379

<210> 16481
<211> 398
<212> DNA
<213> Glycine max

<400> 16481

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tgatgtatga ctgatgtaat atcttgctta tctgagaaat tagcagagat atgcctgaga 120

gtaggctgtc tctctcttcc atcttttctc tatatatttt gtaatcttac caagttatga 180

ataagcttag tgagagacat tttttcctca ctcaaatttc aagcttcaac tgtttcatta 240

atgctgggag taatttttgg aaaaatacat aactttagga caaacttaat gttactatat 300

taactaattt ccttgtgaat cagttaattg ggtcttccta aaaggaccat agtaaatatt 360

actgggattc atgtataaac cagagtgaat attatgta 398

<210> 16482
<211> 328
<212> DNA
<213> Glycine max

<400> 16482

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cgagcataaa tcatacacca tgcaagtaag tcccttgatt ctatttctct ttcttatgtc 120

ataactatag ggtagaagac attaactgta gcttgagatt tctatggttt atatgcttag 180

ttagaataaa attaagatta cggctatgta agcttgtata ctgtattgat tatggcgcac 240

acatagtatg tatgatatgc cttttacagg cttgaatagt gcgagaaaat gagatatgtt 300

ccctgcattt tctggaaaac gcaatgaa 328

<210> 16483
<211> 410
<212> DNA
<213> Glycine max

<400> 16483

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tgcttgacat gggtagggat gttgtttctc cataattgag aacctaatca aagaaggttg 120

gggttttgtg aatatattct cgaactacca gttcaagatg tacaaggacc ataactgttt 180

tcttaaattc tgttgttttg gcaacataac atttatgcca ttaattttca ttacgtatgt 240

aaacatattg cttgtgtttc ataaaattac aattacttct tcttgtatag tccctccccc 300

taaataaatg tatattgcat tttaatctat tataacataa atgagtttat taataatgat 360

gaacaagcta taaacgaact tttcaaatat gcatttttcc tttcaactcc 410

<210> 16484
<211> 312
<212> DNA
<213> Glycine max

<400> 16484

caccttgcta ggattcgtcc caactattgg tgataccatc atcaagatca tgctctatac 60

gccaggcatt tccgaacttg aaagatctgg tgacaaacct cctaattatt gcgtccaatt 120

ggatcattat acgagaatgg tcggactttg aagtgacact actacatata ttgcaagtta 180

tgacatatta actctgaagt ggcatggttt taatcttaat gactacatac gacgatagtt 240

aatgactaat tctcatagaa tgcttgctta aattttatga atgattacaa tgaggggctt 300

agaaagaccg tc 312

<210> 16485
<211> 405
<212> DNA
<213> Glycine max

<400> 16485

tgtaatactg aatttgtaag ggaaggggtg tgttatgcta tgtttgattg cgcattcttg 60

tatatagtaa cttttcacca caatttacaa gtttccattc aactgtaccc cattccacca 120

tattcttgtg gctatgattg tggattagat gatagtattc tgagaaatta ccgtactttt 180

gaaataatac accttaacaa aacaagaaaa tgaaagaata aagcattttg tgccaaaaga 240

aaatacagat tttgcatggg ccacacaatt tatttacgtg atttttaca agaatgacat 300

atggagctgc tgtttcagca tatggcctat tctatctatg cttatgggtt tgcacttcag 360

tcaatacaat aatgaaccat aatacacaga atgccaaatg gattt 405

<210> 16486
<211> 531
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16486

tactcctaca caagagtaca catacgacac tttgaagtga taagtaataa tagtaaanca 60

caaaaaaaga gggtattgat gcgtcgttga catgcacact atanaataca caagctcgac 120

angtataatg actctcgcaa atgaatcacc ctttgttgag ccataacacc aaaatacacg 180

agcggtaacc agtgcacaca taccaagtat agacaacaaa tgacataaag tgattatcat 240

tagattaaac atgcactgat tcaaactcaa ggcacacaaa tagcacacac ttagaactaa 300

attatacctg tgctccccaa ccaccaacat gaatagtaca gatgacacat tccacatgcg 360

aaaattcacg ccgcgagcaa aagaatcacc agtaatcgga gatctcaggc ggccaacgaa 420

gcatcccgat cgcacaacaa gagaggagaa acgagggaac accctcgcga cggaagacgc 480

ggcaccagca acagaaacca tcgactacat ccctggaagc tctcgagaga a 531

<210> 16487
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16487

taagcagtta ggtgaagaca catgaataca tttatattac atcatttcta gcatgcttcc 60

tcctgcaagc aatgttgtca aaattgccag accacccccc tccggaattt ttgcttctct 120

cattcatgtg ctactctctc agtctctccc tctttgtact cttgaatctc tcttgctccc 180

tcacttattg atctttctct ctactctctg ctttctgttt tcatgttctg actttggcct 240

tctctgttct tacccgacta cattctggtc tctgccttgg attctgacct cggtcttcgc 300

agtatctacc ttgtgttctg acttcagtca cctgagactt cattctggac tatctntctg 360

ctctctgtgg ttcaatactt tcagtattta ttatgacttg tatgtgaact tatc 414

<210> 16488
<211> 416
<212> DNA
<213> Glycine max

<400> 16488

tatgattcca tttcctggga attcttggat tggatgttta agtccattgg cttccccagc 60

ccagttctgt acttggatca tggagtgtgt ttcttccact tcctttagtg tggcagtcaa 120

tggatccatt tatggtcact tcaaaggaca gcggggtctt agacaagagg atcctctctc 180

cccttatctg tttgtgctct gtttggagta cttttccaga gatatgagca gcctcaagga 240

tgatgccaat tttaaatttc atcccaacta tgcaggtatt cagctatctc atttggcttt 300

tgcagatgat attatgcttc tatctagatg agatatccat tctgtgttaa ctatgtttgc 360

caagcttcag cacttctgta gggtttcagg gctttccatc agctctgata aatctg 416

<210> 16489

<211> 410
<212> DNA
<213> Glycine max

<400> 16489

tctaaatatc cgaaacatga tattattggg ggccttaggc ataaggtgtc tagttatgca 60

tatttgtcaa gtgtgtggta aattattttt tttaaccatt atattggtat aaaattgttt 120

ctactaaaaa atggtgacaa tttttcattg gaaaccttaa atgcatataa gatgagtatc 180

tttcttttaa tatgatttat tctatacata agtgcgatca tcatttagat gcctaaaaat 240

atgtatttct ttgattgcac ttaacaaatc cagatactag tgggtgttat ttacgatgat 300

cacttgattc tttgctaaac acataagatg ttgatgagtg ttccataata atagggatcg 360

aaaacaaatt ttcaactttt tgaggaatga aagtcatatt ctgttttata 410

<210> 16490
<211> 413
<212> DNA
<213> Glycine max

<400> 16490

taataagagg catgctaagt gggtagagtt tttatagcaa tttccatatg tcatcaaaca 60

tacaaagggg aaagggaatg tagtggctga tgcactgtct atgagacatg ctttacttgc 120

tatgcttgaa actaaactgt ttggactcga gtctttgaaa gacatgtatg tgcatgatgt 180

ggactttgct gatatttttg ctgcatgtga aaagttttct gaatatggtt actatatgca 240

taatggattc ttgttaaagc aaataaattg agtgtgccta agtgttccat tatagagttg 300

cttgtgagtg aatcacatga gggggggttg atgggacact ttggggttca aaagaccctg 360

gaaattctgc atgagcattt tctttggcct catatgaggc gtgatgtgca taa 413

<210> 16491
<211> 415
<212> DNA
<213> Glycine max

<400> 16491

tgaacgaata taagatacat cttcttcgac cttggtgatt cttgactcca tctcattgaa 60

gcgcatgtcc acttgtaact ccaaagtatc aaacctttca ctaacaaagg tttgaagacc 120

atcgaacctg tccaaaatct ttgaaagaag agatgaatct tctccatcat gtccttcttc 180

accaacatgt cgagcaccct ttttcaccca agagccatca tgctcttttt gataaccaaa 240

ggatgcaatg actgaagcgc ctattagaaa ggatctcttg attggaacat agggtttaga 300

atcaagaggg atgctaaagt ggttaaggaa gagggtgact atgtgtggat atggcaatgg 360

agcattcaat cgcaatgcct tatgcatgag atatctaaca agatgtgcct aatca 415

<210> 16492
<211> 410
<212> DNA
<213> Glycine max

<400> 16492

tgaagggaca cccacatttc ctactcccag tatcttttct aacaatcttt tttcctagac 60

ctatactaac cactcttttc acaaccaatt aacacaaatg aagtctttcc tttattacca 120

gtgtttgtgt cagatctcat aatgaccacc acatatccat tttcatgagc aacggatcaa 180

gcccactgca aaacatcatt tcgggtacca aacacctaca acgcaatcca tacaatttta 240

gtcttctaag ggacattgat tttatgaaat taataacaat aatcaacatt attacttgag 300

aagtattgaa cgcatccgaa caatcaacat gttgatcagc ctttgctagt agtgaaggat 360

caaataccat gcagctttag ccgaaagaca tataggtgat tattatcttt 410

<210> 16493
<211> 406
<212> DNA
<213> Glycine max

<400> 16493

ttgagccaaa atcctgactc accatagacc ttgactccag ggtgagaatg ccaatcctta 60

ccctcagaag caaaaaaaga agagaaggaa aacttccaat caaaggaaaa aggagaagga 120

aaattaccaa tcagagagga agcaaaaaaa ggagagaagg aaaatttcca atcaaaggaa 180

aggaaattcc caatcaaaga gtgggagaaa gcaaaaagaa aagaaagata attcccaatc 240

aaagaatggg agaaagaaaa aaaggagaag taaaaaagaa gaaagctcct gttcaaagaa 300

accataagaa atgtgcagag aggtctttag accggacaat atctgaacaa tatataattg 360

tcaccaaatg aacaaaagga aggaaaggaa accacgacct aaaatg 406

<210> 16494
<211> 407
<212> DNA
<213> Glycine max

<400> 16494

tccagctccc agaataaaac caattgcttt acaatttgtt ttaaaaaaat catttggtca 60

tatttaaata aatttgttta taagtattta taagaaaaga atctcatata ctaagattaa 120

cttgtgcgta agtaaaagtg actttttttt aatagaaaat aaatgatttt ttcataaatg 180

attgtaaata taaattaatt taaacttttt ttctccctta ttatatagta taagagagtt 240

tacattactc ttatacttat atataaaaac ttatccaaac aaaatctaaa taactcatgt 300

atgattttaa cacaaacctc agtccattac aaaaaaacta gacactctgt gtcgttaagg 360

aaaaaagttg aacgatcatc taatctattt agtaatgaaa acggttc 407

<210> 16495
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16495

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aaatttccct ttaattcttc aatttaattt gtaggggcca actcgagcac ttttggctgc 120

aacaattggg aacatcctag gatattcttc aagtgctagt ggaaagtgga acaagtgaga 180

ctttgcttat atcttgtgct tatttcatat ttttgtacat agctatatat gtaaagtcca 240

ttctgcatat gttttttcct ttaattctgt tgatttggca catcaacaaa gacacacgag 300

gagctatgag ctatctctat ttcccataga catgtgcttc taaggtctat aaattacaat 360

ttccatgaag aacgtttcaa ttttgatcta attaaacttt tctataca 408

<210> 16496
<211> 417
<212> DNA
<213> Glycine max

<400> 16496

tcctcgggcc attcctgcga aggcaaacat ttggaaagtt agtttacaag aaatataaca 60

atcattacaa acaagggcca aacaacactt ctcatggcac gagtgtcaac atgcacttta 120

taaaataatc atattggggt cgtgctattt tatgacacat acgtatttgc acacataaaa 180

attttgtgtg aagcatttta cgacacctat tcatgtacat atttttgac aaacctttc 240

atgctacatc ctatatatat atacacacat tttttggaag gcttcttttg ttacctactc 300

acaaatacac acattttgaa aaacactttt acgctaccca tccaacactt tgtaaggcac 360

ttcatgctat atatattcat attatgcaag gcattttcat gctatatatg ttcatat 417

<210> 16497
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16497

tcgaattgct caagtatctc ttctcctttc aacattttca actgccaata aattcagcac 60

ttctgtgtca gtgctaccta tctcaaccat taaaaacatt caatacatac cattaatatt 120

aaaataaagt tttaaggaag attgacaaac tatgcatata ataaacaaac accatatgca 180

agaataaaat ttgaaactag tttttgcata tgagcatatc aatatgcatg aattgcaaat 240

atacctgaga gacagagaga aggtgggaaa gagcgtgttg gtattgagca tcattgttat 300

ggagggattc ttggactttg ttggtgttgt cgtgtacaag cttctgaatt gcgtggtcga 360

tgagctcana ccttcgatct tgttccatgc ttgtatattg tttggacttc aataat 416

<210> 16498
<211> 412
<212> DNA
<213> Glycine max

<400> 16498

tttctcagtc gtctgtaagg atgattgggt gtcataaagc ggcgatgcct actgtagact 60

gtttttctgt catgtttaag ttgtatgtaa cttgtatttt cttcacagat ggggcatgca 120

tgatgaccct taacactgta accgttgaga ttcccatatg ctggaaagtc attaatggta 180

caaaaaagca ttgcacgcat ttcaaaggtc tccttgcgaa acgcatcaaa cactactacc 240

ccctcgtccc acaactttct cagatcttca accaacggac ttagataaac atcaatgtca 300

tttcttggct gtcttgagcc cgatatcatc atagacaaca tcatgtatta tcgcttcatg 360

ccaatcaagg aggcaaattg taaattacta tcagaactgg ccatgaactg tg 412

<210> 16499
<211> 412
<212> DNA
<213> Glycine max

<400> 16499

tgctttattt aggtgggggc atgcaatcag tttaatatgt tgctggggat ggatatccag 60

ccttttttact gaaatagata ttatagagaa gcatatcaac aaaaagaact gaaaaaaaat 120

taaaattgtt gattttcatg tattttcctt tttgttgttt atctatttca cctgtccccc 180

ttaaaatata ttttcttaat atatcttact gtttccactt ttgatttttg tgaccctcat 240

ttgaaccact ttgttgttct ttacaggaca aaattgaatt aagggaagga tcttggtttg 300

aaccattaaa agatatggaa ggaaagctag tgggtcttgg tagtaaccca ccttatatac 360

caagtaaaga catctctggt ctacaagctg aagttggtag gcatgaacct ag 412

<210> 16500
<211> 392
<212> DNA
<213> Glycine max

<400> 16500

tggataaata taagccacgt ttgattgttg atgggaatat ggaatcttcc caaacaaaat 60

catgattatt tctggcaatc tatcaaaatt atgtgtagta taaactctca aatttgataa 120

tatatgattg gtttattacg ggaagaaaga tgcgggatcg aataccttttt gtttttggag 180

aaaattccaa tacctttgtg attgacacta aatattgatt tgttgtttta attgtacgca 240

ttggtccgtt taacgtctaa atctatttcg gctgagatat cgagggtgtg attggttgga 300

cattagcacg ggaccccaag ttgatgaaag ttgacaatga gtgaaaatca gaaatggtag 360

ttacgtctgc atctttatta agattggcct tt 392

<210> 16501
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16501

ntgacttgag tcatcaaaag attataaata tgtgactcat ggcatgaatt ttaagaagag 60

atgaatcgtc tatctttcaa tcttctctca acatcattca atatctttca actctttcta 120

gagaattttc tgattctttt tcttttcatc tttctaaaag tttttgttca aaactttctc 180

ttccaagaaa agctctttgt tcaaaaactt gtgctattca tctttttcat tctcttctct 240

ctttgccaaa agaacaaagg actaaccgcc taaattcttt tgtgtctctc ttctccttta 300

caaaagattc aaaggactaa ccgcctgaga attcttttgg ttcttacctt ccccttaagc 360

aaaagatttc ataggactaa ccgcctaaga tatcttttgt tcccccttaca 410

<210> 16502
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16502

ntgccgattt agttttcgcc agtgaaagga tcgaagtggg tctgagaaga ggcaaatttg 60

attatcctgc tttgataaat aggaagccta gggaaaatgg agagaataag aaggggtag 120

aaacccgtgt tgtgactgtc attcctacat ggccaaattt cccactggct caacaatatc 180

aatactcagc caatatcagt ccttcttatt acccaccacc ctaccagcca agaacaccca 240

atcatccata aaggccgccc ctaaatcagc cacagaacct gcctgctgca catccgaggc 300

cagacaccac ccttaatacg aacaaaaaca ccaacgagag gaggaatttt ccagaaaata 360

agcttgtaga attcacccca cttctagtgt tgtatgctaa cttactccca tatatac 417

<210> 16503
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16503

nttctgccag caagattggg agagtcttcg ccaaattcat ggtttaacaa gttatattga 60

gctgtctagt tgggcacacc aatacaaggc tgggacaaag agggaccttc ttggcaagct 120

cagcaaacat agaagggagc atgatacatt aaataccaaa catgccagta aggcttcaca 180

atgaatccaa tcaactcaat tagtttgaaa cttgactggt taatttgttg aagttggtgg 240

atgaattaaa gtaactcaat ttgagttgaa aattcagctc attaaacaaa tgggctgatc 300

ttgaatcatg tatagttagt ttggtttgat tgttatatga aaaaaatatt tattctaatt 360

ttgcttatgt tgaatctata ttattaattc ttaaactaca ctcg 404

<210> 16504
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16504

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atatctccca aaaccccata cccacgaaaa tcaagaggga aagaagtcca cccaaacctg 120

aaatttcgaa gtcccactcg tagacacgca cttcacgacc ccgaaaatgc cctcctttca 180

cgatttgggg cagaaatgat ggccaaaggt tgaagctttg tgtggagctt caatggtgga 240

tgaggaagag agaaagctac gtgagagagg gagagaaaag gcttctgaat ttttttgggg 300

ctgagtgagg agagagaaca tagctttttg gttttaaata aaagggttct ctctttttct 360

attattntat ctaagcaatg ccacatgtct ccatttgagt gggatccaaa g 411

<210> 16505
<211> 410
<212> DNA
<213> Glycine max

<400> 16505

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gatggtgcct cccgtctcct cttctccttt gccttccgct gcatctccat ggtgaaaaat 120

cgccattgaa ggatctcatt gaagctcaaa gatccagcct ccatagaagc tccacaagca 180

agcttccatc aggctccaac atatatgtta ttgaattttg tgtctggttt aaaacaagac 240

caattttatg aaaatatcaa tgggtagact gtgagaaaag ttcaaaacat tgaggctggt 300

ctacaaaacc cataattatt gcaagcatct tcaccattgt ggttcaaaat ttcctaataa 360

acactcgtat aaaaattatg gaaaacatat tgcgtagatt caccttttata 410

<210> 16506
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16506

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tggtgcttct cgaaattngg tctgcaactt cacaagacac tcgtccatga tctgactgtt 120

gggatctttg ataagttgtc tggagtgtgc tagaagcctc ttaatgaagc ttctggagga 180

agcctcttaa tgaagcttct atagaaagct acatgaagct gcctcgtgaa aaacgcttcc 240

cagccttcgt taattgttgg atattctcaa aatacggtct gcaacttcac aagacacttg 300

tccatgatct gaccgttggg atctttgaga agatgtctgg agtgtgctat aagcttccgt 360

tcccgaaagc atctcgtatt caagcacttc agcctttgct ttagt 405

<210> 16507
<211> 390
<212> DNA
<213> Glycine max

<400> 16507

tcttcttaaa caaggttcca gtgtaatatt gatgtgctat aatgatctat aaatagctaa 60

tactaattaa taagcatagt ttaataaact atattgtcct tgaaatattt ctttattaaa 120

ttataagata attattataa aaacaaataa ttttacaaga tatagggact tataattgta 180

tgatcatata ataacctgta cactccaata tttctattgg ttagtcttaa aaagataaaa 240

ccaaatttac aatgaattta tattttcaaa attaaaatca tgaaataaaa gtttatctga 300

tgaataaaca actagttgac tttacacaaa tataacgatg gcatattaat aattgtttaa 360

atctctatta gcacaaactt tttgttttaa 390

<210> 16508
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16508

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attaaaaaat gtgtagaacc tttcattttc tcaaagtgtt ataagaaatg ttaattagta 120

atggagaaca aatttgtttt tggcatgatg tttggattga aaatgatagt ctaatntatt 180

ttttcctcgg ttatttcaaa tcttttggca taaatgagag atctctctca tgtttttatt 240

tttctccatt tctcaataga tcttttttaag ttaaatcaac ttacgatatt ttatcacatt 300

cttagttgta gtcaaaggac ttcaaatcct tctaattctt ttatccttaa ttatttttag 360

aagttttgca cccttcaagg tgcttgtgtt ttcttggcac gttatcatga at 412

<210> 16509
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16509

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aactacattg cttgaagatc cacttccaac tcttgaaaca gcaaaaaaga actgcatgca 120

accccaaaaa tggaagttag gctttataac aagtcaacaa tacaaactgt atctcttacc 180

gtatttagtg aagccaaact gtacctggac acatgatata ggactagata taatcatagc 240

cgaactctta aatacacaag ataaatctca aatcaaccac aaaagaagaa actttcttga 300

agttacactc aaaactgaaa gaagacgttt catggtttac accaaataat aaagcttgtc 360

caagcacaga tccttctaaa ctaacagtaa ctcatgacat atagtaactn gctataat 418

<210> 16510
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16510

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tgaaatttga attttaaagc tgtaattgat taccattgat gtgtaatcga ttaccaacaa 120

cgaaactctt gaaattcaat ttgaaaagtc atgatccttc aaaatataat tgtgtaatcg 180

attaccagaa acctataatc aattactagt gaagaatttc agaataagct ttttgaaaag 240

acacatctct tcaaaccatt ttgaaaaggc acgaagggcc tatatatatg tgtgtctgac 300

ttcaaaaagt aagagagaga tattctaaga gaacttcatt gccaaattct ctctcaacaa 360

ctcttgggca aacacttgta aatctattga gacttcatcc aggaatttca aat 413

<210> 16511
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16511

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tgcacccata tacaatcaag gtagcttcat tacctagatt atttacatgt acttccaagg 120

tgtatttgtt attacatcac acacgcctcc ttggctaaat ttacatacat gcatactcaa 180

agcatttcgg ggtaccaaaa attgcacatg cgctcatctt ggtatttcta atacctatac 240

atatacaaac ttcatgatga atcttgacta cctacgcaat aaggtgctac atttcatgct 300

ttttttttctt ttttttttttt tcaagttttt gctacctaaa gccacatgca aattcaagca 360

tactttcctt tgctgactaa gattgtattc aaattagaaa gtatatattn tttt 414

<210> 16512
<211> 401
<212> DNA
<213> Glycine max

<400> 16512

tgtctcgtgg tttcgataga gaacgaagcc caatctgacc ttcgcgattt tcatcaaggt 60

aaccgtgatt ctacgcttgt tccttgttag tttcagcttg tctttgcatc ttttcttact 120

ttagaaccac cattgtatgt ttttgcgctt cctttgaaaa accctagaga aagagacttt 180

ataaaagtta tctttttatg aaatgggtgt tattttcgtg accttcgctg aacctcgatc 240

acattggcgt gatcggaatt ttaaaatgat gttccttctg tagaatctga aacgccctta 300

gccttttcat gtaaagacat gagtagttga ctcagaatat tattgttaac cttatttctg 360

atatccatag tactttcctt cattttggcg catagagact t 401

<210> 16513
<211> 184

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16513

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aatcaaataa acattaaaaa tgcagtatct aggaagtgat ccaaggtcgt ctcccaacga 120

gcaatggtta accaaacgtt cataacagat agtaataaaa tagtaacgaa ttgggggggg 180

gggg 184

<210> 16514
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16514

nttatgctag cttatttaat tagtgttgag taactttagt cttcaaaaca gctgaacgat 60

gtataatgac agaactcgac acatttataa gatactttat cataaatcta aattttattt 120

tgtgaataaa cacatatctc gaggtgttat aatcatagta tttaaatgaa ttttaaactc 180

ttataatttt tgatctaaat tgtaattttg gtcctacctt gttacccaaa tacatgattc 240

tggtccatat atatttttga tgtgacatat ggtccacata gatatataaa ttggcgattt 300

tggtccactt agaacatgat aactaatgac ttcaaataat aaagttatta tatgattcta 360

taattaatta aac 373

<210> 16515
<211> 390
<212> DNA
<213> Glycine max

<400> 16515

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aatgtgacct aagtgcttat gccataatgc tcctgagttt gtattatcaa ttttacgctt 120

agtaccacgt aattccgcat taaaggattc accataagaa gctacaatat caagtaaata 180

tatattatca taagccaaga gtgaaccagt tccaacaata tctgaattaa aagacaacct 240

aatcacgttg ttttcaaatg aacacaaata acccaatttg tccaaataag aaattgaaat 300

caaattcctt ctaaatgacg gtacaacaaa agtatctttc atatccaaat gagaatcagt 360

acataataat aatctaagat gccctataac 390

<210> 16516
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16516

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tgatagtcac cgctttagga gtgctgtaca ccagcagcgc ttctaggcca tcaagggatg 120

gtcgtttctc cgggagcgac gcgtccagct cagggacgac gagtatgctg atttccagga 180

ggaaataggg cgccggcggt gggcatcact ggttactccc atggccaagt ttgatccaga 240

aatagttctt gagttttatg ccaatgcttg gccaacagag gagggcgtgc gtgacatgag 300

atcctgngta aggggtcagt ggatcccgtt tgatgccgac gctatcggcc aactcctagg 360

atatccattg gtgttggaag agggccagga atgttagtat ggcc 404

<210> 16517
<211> 403
<212> DNA
<213> Glycine max

<400> 16517

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gcagcaagat ctttggtcag cagcccaagc tcacgagtct ttattgaggc agaaggcgag 120

atcgcgttgg attaatgagg gggttagata tctcgatatt ttcacctggt gattaactcc 180

catcgaagtt tatagctttt tccaacagag atttcaagaa actatgagca gcagaccagt 240

tttgaatgac acctcttttc aagaaacatg ttctttgggg aggctactat gaaaaatgtc 300

aagactatca aattgatttt gagagctttt gaattgtcat caggacttaa aatatattat 360

gggaagagcg gctttgtggt gttgggccaa tctgaacaat gga 403

<210> 16518
<211> 415
<212> DNA

<213> Glycine max

<400> 16518

cttcactcgg agatctgatt caggcgcata atatatcgag acgcttgaaa atgaacaacg 60

aaagctctcg agaaattcca atgctcatta tctttaactc ggaggtctga tttaggcgca 120

taatatatca agacgctcga aattgaacaa cggaagctct ctagaaattg aaatggtcat 180

aacttttcac tccgaggttc gattcaagtg catgatatat ccagacgctc gaaattgaac 240

aatagaagct ctcgagaaat tcaaatggtc ataaccttta actcggaggt ccgatttatg 300

cgcataatat atcgagacgc tcgaaattta acaatggaag ctcttgtgca attccaatgg 360

acataacttt tatctcggag gtccgattcg agtgaataat atatcgagac gatcg 415

<210> 16519
<211> 409
<212> DNA
<213> Glycine max

<400> 16519

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gccatggagt ggaccttccc tcctagtaat attcttgcag ctctaagatt tgatttggct 120

tgtgtgcctt agtttctttg cttctgttca ttttgttttt cttcatttca tatgtacaaa 180

aaaaaaattg gtcaaactaa tttataaact aattaaataa acttataaac tttctcatta 240

cttataagct agttagttaa atgggtttac aagctttccg agtgtgtctt accaaactca 300

ccaatacata atcattttaa aaatatacag ataggaactg atatataata ctttagattt 360

taaaattaaa acttttttcga taacttgtgc attacaaatt atataatat 409

<210> 16520
<211> 415
<212> DNA
<213> Glycine max

<400> 16520

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aaataatttt cctaataatt acaagcacaa ttccaatggt aagatacaga tcacaattaa 120

tttaaatgat aaatgaatca gtaagaaatc atttcctcgc tgtttgtgaa agtgagtatg 180

aacacatcat ataaatatta ttgaaaacat aaagatctaa tacagacctc catggccgtc 240

ataaacacca aagtatgacg tagactcgtc caaatatgga tgagctgcat gctggcatgt 300

aatgtaaaag aattaaaact tgtatacacc atcaaacaga ttgtaatata ataatgggct 360

actgaagatt taagtacaaa gcatcaaggt acaccaagca ttgacatcaa atata 415

<210> 16521
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16521

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acaacattgc gtttgcccat cggtttgagg gtgacaagag gatgaaaata acaatttagt 120

gcccaacttg ctccacaaag tcctccaaaa atggcttatg aacttagagt ccctatcact 180

aacaatgcta cttggcaaac catggagtct cacaatctcc ttgaaaaaca aatcaaccac 240

atgggaagca tcaatcaact gtcttacatg gaataaaatg agccatttta gaaaacctat 300

caacaaccac agaaatggaa attctaccat tgcttgtttt tgacagcccc aaaacaaaat 360

tcatggataa atcactccaa ggaatactac ggaattgaca atggagtata caatt 415

<210> 16522
<211> 237
<212> DNA
<213> Glycine max

<400> 16522

cggcaccttc gcctagtttg tgtgctttgt gtacctgtat tatatccttt gttctggaag 60

acggtgtatg atcgattcgt gcttggcatc gcagtgacta tctctagatg atagtcgtct 120

ttgcgtaaag ggcacgccgg ccgaaatctg tgttctatct gtgctgtact cttatatggt 180

aagagaggca tgaaaacagg ggcaactcgt aatgcgctaa tatcatccgg tgatgat 237

<210> 16523
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16523

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gaagagttag gtctagccac ggcctacgag catagaatcg cggacgagta tgctcaagta 120

tacgcggaaa aggaggctag aggaagggtg atcgactctt tacaccaaga ggcaaccatg 180

tggatggatc ggtttgctct taccttgaat gggagtcaag aacttccccg cttgttagcc 240

aaggccaaag cgatggcaga cacctactcc gcccccgaag agattcatgg gcttctcggc 300

tattgtcagc atatgataga cttaatggcc cacataatta gaaatcgtta ggaaacttgt 360

atggtctctc ataccttgac tagatacgac tttttntttg aataaaatga g 411

<210> 16524
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16524

ntgagccaaa atcctgactc accataaacc ttgacccatg gtgagaatgt caatccttac 60

cctcggaagc aaaaaagaat agaagggaaa tttccaatca aaaaagaata gaaggaaaat 120

ttccaatgaa agcaaaaaaa gaaaagaagg aaaattcccc aatcaaagag tgggagaaag 180

caaaaagaaa agaaaggaaa ttcccaatca aagaatggga gaaagtaaaa aaggaagaag 240

aagaaggaaa gaaagctcct gatcagggat cgaaggaaaa acagaagaaa tgtgcagaga 300

ggtctttaga ccggacaata tctgaacaat acagaattgt caccaaatga acaaaaagaa 360

ggaaaggaaa ccacgaccta naatggtctt ctccctttg 399

<210> 16525
<211> 350
<212> DNA
<213> Glycine max

<400> 16525

gagcaagact acttcagact gatcaaagtt atttatttta tgaaaaccta tcataacaac 60

tagaatgtat tgcttgccat caaccatgac attattacaa agactatcct atctagacca 120

atatgcttac taaagaagca taactgataa aaagctgtat gatgaacctc atccccatag 180

tgatgtaatc tccattggag cttgtatgcc taggatcctc ttcattaatg gattcctttg 240

cttcttggaa gatgaatggc agtggaatgg ataaggaaga gagagaggag atgccacttc 300

agggagaata tgagactaga agaagctcac caccatagga tgccatggat 350

<210> 16526
<211> 404
<212> DNA
<213> Glycine max

<400> 16526

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gatggtgcct ccctctact cttctccttt gccttccgct gcatctccat ggtggaaaat 120

caccattgaa gctcaaagat ccagcctcca tagaagcttc acatgcaagc ttccatcaga 180

gatagtgcaa ctcgatgtca aaacaacctt tctccatgga agattggagg aagacattat 240

gatgcaacaa cctgaaggtt ttgaaatggt agggaagaaa aattatgtat gtacgttgaa 300

aaggtttata tatgggttga aacaatctcc aacgaagtgg taccagagag tcgatgagtt 360

catattactc atgggtcaac aaaagtgcca atgatcatgt atca 404

<210> 16527
<211> 404
<212> DNA
<213> Glycine max

<400> 16527

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tggaattgga gaatatgaca atgataatgg aaataagaat gaaaatgtga aattgtatgc 120

aaattgcttc ctataatgac caatttataa gacccaatag ggatttgtta tgttattgtt 180

ctcgattgtg acatatctat tgttgttgtg gttcattgat ttcttcttct tctatccgat 240

ttgtttcttc ccacaagaat tagttaagga gagagacaat aaaaaatgat ttttttaaat 300

gcgcatttct tcaaggtttt tctacaagaa ctcaatctcc aacgtgaaga ccttgagagt 360

gtctttagta gctagatctt agaagaacat atcttcaact taaa 404

<210> 16528
<211> 408
<212> DNA
<213> Glycine max

<400> 16528

tctcccccaa ttttctataa atagggggag aagtgtagtg aaaaagggtt cagcccctta 60

ggcacttctc tctctttcga atttgcttag aaaaattgtt tccgtgaaga aaatccaagc 120

cgaggcactt ccgtaacgtt tccgtgagtg atttcgcgaa ggttttcgac tgttcttcat 180

ttgttcttca tcgttcttcg gtcttcaacg ggtaagtacc tcgaaccaag cttttcgatt 240

cattctatgt acccgtggtg gtccacattg agtttcgtgt attttccttc tcgttttcat 300

ttactttccg tacccctttt gacgtgctta agccatttta tttaagtcat ttctcgctaa 360

acctacaata aaatatattt ccaccgattg ttagaattgt attatccg 408

<210> 16529
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16529

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ctcaaaagtc aagaacactt catgttaaca aagatgatga cttcaagaat caaagaatga 120

attcaagatt gaatcaaaaa cacttcaagg atcaaaagga aatttgattt caagaatcaa 180

gaatcaagtt tcaagattca agttccaaga atcaagatca agattcaaga ctcaagattc 240

aagaatcaag agaagattca atcaagataa gtattaaaaa gttttttcaa aatctgtgta 300

gcacattaat tnttctcaaa aacctttttac caaagaagtt ttactctctg gtaatcgatt 360

accagattgt tgtaatcgat taccagtagc ataatgtttt tcanaaagct tt 412

<210> 16530
<211> 418
<212> DNA
<213> Glycine max

<400> 16530

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aaagggaagg tagtggttgt tcctttaaaa attacctttt agtggagtat ttataatgta 120

tatgatctta catggtattt atttgctcta gtgagtgtag acagaacata gagttagttg 180

agcaattaag ttcaccacct ccaaactcca gagttttgta ttttccatct cattttccac 240

aaaatggttg ggaacagttt aaagcatgct tgtggaaaca acatttgttc tattggagaa 300

ttccttcata caacttgatg cgcatcatat ttgtgcgtgt ctcatctctt ttgtttggga 360

tattgttttg gaagcaagga tagacaatgt tagtgatcat aattttattc tacttatg 418

<210> 16531
<211> 415
<212> DNA
<213> Glycine max

<400> 16531

tgcatttgga cttgcgaaag ccccactcca tcattatgat tattacctgc catctcaaac 60

aaacaaatca aacgtaacaa gacaattata gtcgttgttt gaatacctca cccactcaag 120

tgtagcacac aattatggat tttctctaat gacaacactc ttgcctttta ccactctaat 180

tccccttgag ttcttaggaa attcaagaga ttatggccac aacaaagaac aattcaccaa 240

tatgtgtaag gtaaggctat agagacaagg aaaaggttaa ccaagaaaaa ggctaacaat 300

gtttttaggc acaatttaag gaaataaaat tcagaattta ggaattcaag taacaatcct 360

tcatacaacc aatatatttc cttaaagata tatttttttt taagttcttc aagca 415

<210> 16532
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16532

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aataacccaa atttgtttaa agacttcaag gagtccatgt ctcgtgaatt tgagatgaca 120

gatatgggac tcatgtcata ttacttagga agggaagtga agcaaatgga aaatggtatc 180

tttgtctcac aagaaagcta cacaaaagaa gtgttgaaga aatttaatat gcttgattgc 240

aatcccgtga acacacctat ggaaggtggc ttgaagttat caaagtttga tgaaggagag 300

aaggtagacc ccacggtctt caagagtctt gtggggagtt tgaggtatct aaccaataca 360

aggcccgata ttctatatgc ggtgggagtt gtgtgtcgct ttatggaggc tcctac 416

<210> 16533
<211> 408
<212> DNA
<213> Glycine max

<400> 16533

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gcagaggagc atataccaca gagtctggcg acaagtgtag atttttgatt catggccagt 120

tggattacca ggttaaccaa ggcatctagt ttaccttcaa gcttcttagt ctcgactgat 180

gaagatgaat ttgtggctac ttcatgcact cctctaatga caatagcatc acttctagca 240

ctaaattgct gggagtttga agccatcttc tcaattaaat ttcttgcttc aacaggggtc 300

atgtctccaa gggctccacc actggcaaca tctatcatac ttctctccat gttactgagt 360

ccttcataaa aatattggag gagaaactgc tctgaaatct ggtggtga 408

<210> 16534
<211> 415
<212> DNA
<213> Glycine max

<400> 16534

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aataaataat tgtgttaaaa attgcaaatt gaattgcgga atgcaattga agaggtaaaa 180

agataagaac tttgagacac ccatcaatga atcaatcgat aaaccctggt gggtgttgca 240

caaccaaacc aaacacagag agagagagag agaaaccttt gaaagaggtg ttattagcag 300

ttaagagttc ttcttcatca tcgtcgtcga attcatcttg atgccctttc gcagacctag 360

ccatttgttt ctccagatga agagaagtgt aatgtaatct gtacaaccta cctag 415

<210> 16535
<211> 412
<212> DNA
<213> Glycine max

<400> 16535

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agtttatgtt ataggaaaaa tatattttga cactcaaatg tttataaaca cttattgaga 120

aaggagaaaa aaagagaaaa atataagtat gatagaaaat ataatgtgat aggcaaatag 180

agataaaaaa aaatgaaaat tgctagtggg tgtttaaaat attacccttc gtattttaat 240

tgtaaagaat gaaaatgtaa gttaatgaaa aaaatgataa ttaatgcaat aaaagaacaa 300

gtggatattt ttcgtactgt tggaaagttt ccgatcccct ggctcaattt ttgggatgca 360

gttgatacat atatctgttg agcagctgat gtaataccat ttggtggaca ta 412

<210> 16536
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16536

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ataaaggaat ggtaacaata tactcttttc caattctcta ctctacaagt gttatgttgc 120

aattaaataa tgtatatgaa ttgtgataga gggaagcttg ctgattattc ttcaaattta 180

aaactgagac aatttaagtc ataatgagtt ataagttatt gtcctttcac aggaggtgct 240

attctatgag gatggagagc ccataattga tggggaatct ggagatttaa gggttagtaa 300

cttgtcactt tcagtatcca tgctattatg tatgcagtat gcctgacatt tcatacggtt 360

gaacagtttc gtatccgaac tgcacctcat gacgtcttca gaaga 405

<210> 16537
<211> 410
<212> DNA
<213> Glycine max

<400> 16537

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cgtaatttaa tattgatttc atcaaattac agagcctgtt tccaaagaac atgttaaatt 120

aatccttggg ttcattaaat taatcatttg attcctataa gtagtactta agatttagtc 180

catatacatc cttattagta cacatcggta cctggtatta ctatgttcct taagttttat 240

ccttatatcg atgtataagg accaaatctt aactatgctt ttcatacaat gactaattct 300

taaatgaata tcaccgataa ggactaacta atttaaactt ctgatttgta aactccttcc 360

tattgttatg ggacatttct ttcaatgtct tctcaaaatt cttttgcatc 410

<210> 16538
<211> 404
<212> DNA
<213> Glycine max

<400> 16538

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gctatacaca cctctctaat aactaagctc acctccttta gatgagaagc taaagcttag 120

ctacatgtta gtcgatgaat acgactaact cttgtgtata aaacctatgt aaattggatc 180

aaactcctcc aatttatgga tattttgtat ggatgaaatt acttttttgtt aaagatagga 240

aataaatact tagtactccc attttgtgtg tttaataacc atttcctctc agttctaggt 300

taattaggca agtttgtgaa gcgctgatta tcatccgctc gctaaggcaa tcttctggct 360

tagcgagcca tccactgagc acaatactcc tcgactgagc gcga 404

<210> 16539
<211> 349
<212> DNA
<213> Glycine max

<400> 16539

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tacttgtatt ggtaatctac tacaggccca ataagccttc tggtaatcga ttactggatg 120

tcgtaatcga ttacaggctg cctgttcatg tgtaatctat tacactggat ggtaatctat 180

taccagagcc taccctaggc tagtttgtaa gagaatatct atttttatgc ttaaatacat 240

actatatgtc taattctcct actaatacac ttaattcaac cattcaatta ctatgtgcac 300

aatagcccgt aattgacatc gttaaaacca taattactac atgatcatc 349

<210> 16540
<211> 408
<212> DNA
<213> Glycine max

<400> 16540

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ctttgtcacg ggaagccgga aggtccatat caccttctta attgtacaca tggggcactg 120

cgcccccaaa tgcacaagta agaagagata attttccggg ctctcgtgtc cgtaaaatgc 180

attcatatca tgcaccgcat aaacatctct tcagcatcat aatgaacata tcgttcctgc 240

atttgtccgt tatcacattc ccattttgca tgagtcattg catcatcata tgcgttcaac 300

atacttttg tttgcttata catgatcctt gtattttcct ctacaaaaca aaaacaaaaa 360

atagggaag tacgaaaatt cacgctgcat tcttagttgc atatattc 408

<210> 16541
<211> 279
<212> DNA
<213> Glycine max

<400> 16541

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tgattcatta ttcttcatct tacttaaagt ttttgaacaa tacttttatc tgtgaagaaa 180

agctcttaga tcaaaaactt gtgttatgca tcttttacat tctcttctcc ctttgccata 240

agaacatagt gactaaccgc ctaggttcta ttgcgtttc 279

<210> 16542
<211> 417
<212> DNA
<213> Glycine max

<400> 16542

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caataccaag gtgaggattg gtacaattga agtgaatcgc ggcctctatc aattcacccc 120

cgaagcacca aaaacacata ccatatgttc tatcattaca cacccaaagt gtctaatcct 180

ccctgtaaat ctatggcatt ttcgtatggg tcaccccttt cccgaaagat tacaagccat 240

gcaaacatac tatcctttct taaataataa caagagtttc atttgtaata cttgccatta 300

tgccaaacat aagaaattac cttttcattc tagcacatct catgcattaa atcaattcga 360

gcttttacat gttgatattt gggggtcgtg ctccaaaaca tccatgcatg ggcaccg 417

<210> 16543

<211> 413
<212> DNA
<213> Glycine max

<400> 16543

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atggtgcctc ccctctcctc ttctcctttg ccttccgttg catctccatg gtgaaaaatc 120

accattgaag gacctcattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180

gcttccatca gaagccattc cataagagaa ctgaaccgga tttgcaagaa agttgttgat 240

gtctggaaga aattggattt aggcaaccag ataggactaa gacatgtaag gtggtgtatt 300

gattattaag aaaaaattga gacaattgtt tcagtttgct gaacctttca tgttatgatc 360

aatagaatta gacttgcata atatgtattt gagaattttt gtatctgatt ctc 413

<210> 16544
<211> 401
<212> DNA
<213> Glycine max

<400> 16544

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ctacccttaa cttatcttcc atctctggaa gtggcgtcat ccaaattcta tgacctgtac 120

caagcgatcc actcctataa ggatcacgtc attaggtgta tcaaaaagag atatcattga 180

ctcaatcatg tggttgaagt ctggtctttt ggtggattct ccttttcaag gctttaagtg 240

tgatccctcg ctttgacgta aagaacacta ggttggagca ttcaaatgta tccccttcat 300

ttgatttgat tatttgacca ttgtagtgca ctaactaatg gacaaatgag gaaaacatgt 360

catgtattat atttgtagag ttagaaataa ttaattgaga a 401

<210> 16545
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16545

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atatcaacaa aaaagatttc aagagagaat caaatatgga actcaacact ttaaggaaaa 120

atcgccaact aagattacat ttttcacgga tactattggg gatttttata atgcttagtc 180

aaaatataac aataaaatca caataggaag aaaagataag aatttaacag tttcaggctt 240

gtaacatcta tcatcttcac cttattactc tttgctttgg ttcacattat ggacttatat 300

caatatatcc atcaaaacac caccaaatta gtttcacaaa tgaaacatga tgagacanaa 360

attaatcttc tttatgcttc ggacatgatg c 391

<210> 16546
<211> 407
<212> DNA
<213> Glycine max

<400> 16546

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tgaatgagag tcttgtgaga catacttcaa agttccactt ctctccctct tttattcctt 120

caatttcatg ctccccccctc tctctttctc tccctctttc ttttcctgca ttgaagcatc 180

ctttcaagct tcttatccaa ggctcatctt ggtggtgaag ctctttcttc catggcttat 240

tccctagtgg atagcgcctc ctctcacctc ttctcatttg tcttccgctg catctccatg 300

gtggaaaatc accattaaag gacctcattg aagctcaaag atccagcctc catagaagcc 360

ccacaagcaa gcttccatca gcctcagatt ttgacttgtt tttggga 407

<210> 16547
<211> 408
<212> DNA
<213> Glycine max

<400> 16547

tgtatgtttg ggttgtgata tcttattact tgcacttgat caatagtatg atattggccg 60

acaagttctc gactcacttc catgttgcct acctctagta ccttgacaac ttaggtgctt 120

gccacaagta tgcatgggga gtagctgcac tgacatacct ctacgaccat ctctcatatg 180

cgagtaagta taacagcaag tcatgtggag gttatgtgac attactcatg gtaagtaaac 240

atttttagtc ttgtaattat tttttattac tataattaat atttgtattg gtatttttta 300

tagtcttggg tgctggcgca tctgccaatg tttgctactt atagtgagag gattatgttt 360

tggaggacct agaagccacc agatataacc cattgagagg taccgagc 408

20050142050 :oN noitacilbuP

<210> 16548
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16548

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agtaaaaatg gatcctttta aggtccaatg ccttaaaagg accaccttcc aagtaaaaag 120

aatcgcttga ttcgcccttt agaaagaact acgtaggtct gatttcctct tcgatggagg 180

gtacgtagga gcaagagccc cgcttttgtc gacctcaaaa attaaaaaag aaagaagagt 240

ttagatacac aatttcacac aattctaatt taaggctatt gtcctttggg acaaacgtga 300

gaggtgctaa taccttcctc aaacgtaaat acaactcccg aatctagaat attcttcatg 360

aacgatttct ttcgngtttt ctgacgttnt acacaaataa acgttagtgg cgac 414

<210> 16549
<211> 405
<212> DNA
<213> Glycine max

<400> 16549

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ccttgaaaat gagacgttgt aaaagttttc attttataaa attgatttta ttttcatgac 120

ctttgctgaa ccccggtcac attggcatga tcaaaatttc aaaatgacgc ctcgttgtag 180

tagaacccaa aacacccttt agccctttttt tattttgata ggggcatttg actccaaatg 240

ttattattaa ccttgttttt gaaatctata ctaatttgcc ttcaatttgg tatatagaac 300

tatgtgtttg gatcaaagaa cgtgaacgag agaggtctct gagcgacgca tagaggagtt 360

gacggagagc tcacgataag tgaagggagt ttattttggt ttacc 405

<210> 16550
<211> 183
<212> DNA
<213> Glycine max

<400> 16550

acatcatctt cgttaacatg aagtgtactt gactttggag ctgtccgtga tcatcggtgg 60

aatcatcaaa actcctagaa tcaatcggga ttcatcacga tgctggctac tccaaagaca 120

aactaacaat gatatcgccc agtccagggg acataacaat tggctgcccc ttaacctaaa 180

cac 183

<210> 16551
<211> 406
<212> DNA
<213> Glycine max

<400> 16551

tcaagttgtt cattgactct agattgctgc aaagtataaa aaagatctgt atggtgatct 60

gcagatttct gattcatgac aagctgagtt actaggttaa ccaaggcatc aagtttttcc 120

tcaagctttt tattttcagt agatgaagat gaattcgtgg ccacctcatg gactcctcta 180

aggacaatag catcatttct tgcactgaat tattgggatt ggaagccatc ttctcaatca 240

aattcctagc ctcggcagga gtcatatcac caagggctcc accactggca acatcaatca 300

tactcatttc catgttgcta agtccctcat agaaatattg cagaaggagt tgctcagaaa 360

tttggtggtg aggacagatt gcacacaatt tcttgaatct ttccca 406

<210> 16552
<211> 365
<212> DNA
<213> Glycine max

<400> 16552

tctacttcac cagattccta gaaaatgtga tcattatggc ctatggggca tctttggaga 60

gtagggacta gttcgagaga tattcatccc tacgcgtagg aacaaagaaa gaagaaggct 120

cggcttccag agatttaacg gggtgatcgc cgtaaacagg ctatagcggc aacttgacaa 180

ccttgtgatc ggaggcctga tgctacacat caacgtacca atgtacgaac gtcttaacga 240

gtcacgacca caattaagac tagggctcga aactaggaga ggcggtggaa cacaggtaaa 300

cattgcactc atgtcagaat cacatggtat cttcgatgtt ctataataat gccctactca 360

caacg 365

<210> 16553

<211> 408
<212> DNA
<213> Glycine max

<400> 16553

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ggatccagaa atttgtttag tgggggcaaa aaagtagtcc ataatatttt catacaaaag 120

tttttacaaa atacataatt tcatgacaaa aaaatctaaa ttatccaagt ttctttaaat 180

tacagctacc ttctacacat atcaatgtat tttctctttt atctcttata acttgttacc 240

ttcatttaaa aaaaaaaaca attgtcttgt ctcttgtggg ggcaacacta tttttttttgt 300

gggggcattt tttttattaa agatgtttta agtaaaaaaa ttgcttatgg tggcaattgc 360

ccccataatg ctgtccgcca ctgttgtagc ccagaaaagg ttcgtgct 408

<210> 16554
<211> 369
<212> DNA
<213> Glycine max

<400> 16554

tcatgaagat gaatcatgta tgaatcaagt cgctttgatg atgacacaca gcacaaaaga 60

atgatttgaa gattgattca gcacgttcaa gatcatgatt aatttccaga ttcattagaa 120

gaaatcagca atattcaaga ttcaggagac gttgactcca agattcgcga aaagacatca 180

agaggaatca agattcagga gacgatgact tctggatgct agagacgaga tcaagaagca 240

cgcagtcacg acatcacatg ggaagtatcg aaaaggactt ctgacaagcc aaacatagca 300

cagttttgtt ctacaaaaga gtgctcgtag attgttctaa gtgaccagat tatgcactct 360

ctggtcatc 369

<210> 16555
<211> 408
<212> DNA
<213> Glycine max

<400> 16555

tctgggaggg acatatataa tgcatacaca tcatatcata ttcatttctt actagtttag 60

taatttctaa ccgagagtat ttatttctcc agtaccatta ttcacgttca atatcgtatc 120

aatattattg aaaattctag ggatatgatg agttgacatc aatgtcaatt ttagatctgg 180

ggtatccagg tcagcataca ccatcatcat gcatgcactt gaactttctt taatttccct 240

ttgcaacatg gcaatcctta acattttgta ctacttattt ttccccttg caatgtggga 300

attcatgaca ttttttgct ttggttgaaa aatgattcgt tttctttacc taaccaagag 360

acatggtacg tcaagggctt cttgcctaga aaacgatgga tacacatg 408

<210> 16556
<211> 414
<212> DNA
<213> Glycine max

<400> 16556

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gtagcaggag gaaggccagc agtagctagc cgcagataca ccgccaccac ctctacggca 120

gccgccatcc ctggagtcta tctctgctca cctgcgaagg atagagcttc agatgcacac 180

gtatgtgcag catgtgactg gccaataggt ggctaatcat aggggtcagg tgtagctaaa 240

tgagaccttc tatcagtaca ccctgcacta gcaaagctag gaccctggtc ctttttcgtg 300

gcttaccccc gagcagttcg gggccacaat tgcgtggccg ggagatgagc ccaattttca 360

gacaagggca ggactcgcaa gcccccagag acaaggatgg agctcaggag gatg 414

<210> 16557
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16557

tctagccaaa tggacttacc ttgaattaat tcctttgata gccctttga gccttgtttc 60

cctttccttg ttttgaagct cactacaagc cttaagtgaa aaaccatgat attaccatat 120

ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgggggg gtttttgttt 180

nattgnacaa cttgttttgt tggntatgct tnatgatgta ttttgggcca tactagatgt 240

acatgtgatc ttggttaaat gttggacatg ct 272

<210> 16558
<211> 405

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16558

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tgataagcaa ataagcttat taacaccagt tgtgatggat gcaaccccta ttggtgtaaa 120

gtttggggat tgtagctctg atgttcccaa gaactcgacc tttaagagag ctgacatggt 180

gtctgttact ttctggtctg cgtgccctcg taatgacctt atgactgaag gtacattttc 240

cctggtggaa tttctccaag gaaaggatat gtgggttcct gcttatgatg atgatgattt 300

ctgcctgcgc ttcaagtggt caagaccttt canactcagt tctcatagta aagctaccat 360

agaatggaga atcccaaagg atgttactcc tggtgtatac agaat 405

<210> 16559
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16559

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caacccgggc atagtcggtc agtgagaacc tgtgatgtac ctaaacaggc gagctcctgg 120

cagtcaacag ataaaaggaa caaagaccac aaagcaagga ggcttgtggt ggctggccag 180

ctgtgaaact tgattgatat gtgagatatg gtctctggta atcgattacc aagggtgggt 240

aatcgattac aaggcttaaa attgaagaca ggaggctaag atggtctctg gtaatcgatt 300

accacggngt gtaatcgatt accaggcttg aaaacgaggt cagaaagcca tgagggcttc 360

tggtaatcga ttacaaaggg ggctgtaatt attacc 396

<210> 16560
<211> 406
<212> DNA
<213> Glycine max

<400> 16560

gtagacccac ttttgtgagt tcgtgaatgt cttatatgtg ttctatatta atggatgact 60

cactgcatat gtggataatg gcgattccca tggttgggat aatctcagta caaggggtgt 120

ttgaagaggc catttcatag agtcgagagc tagggtatga attctcagag aagaagttga 180

agtgtctcat agagtgtgct atgccaagag ttttgatgca acatgatctt attgtgtgct 240

ctccggcttt ttcaataact atcattacgc ccactttccc aaaatgagtt agcacagagt 300

atatatatat atatatccag ataacaacga attatcgagt gttgtaaagt ccagtggacc 360

atatgtcttt cgatgccaca gcggatgaca tatagatata caatct 406

<210> 16561
<211> 397
<212> DNA
<213> Glycine max

<400> 16561

ggttcatgtg aaatctcaac actaagttgt ttatgtcttc acaaagccct taatgcttct 60

aactttctct tactttatcc acaagttggg actcattaac attgactctc caacttgagg 120

ggggattaaa gttgtatgaa gaaatggagt taattacttc agttagaggg tagttagact 180

agtcggtaat tagttagaat gaagttagtt actaagattg ttaagctgga tataaaatag 240

tgtgtatgca accttatatt caataatcat caataatatt ttacagattt ccttggtgca 300

caaagctctc tatcaataaa ttccccctttc ccaagtccac attgaagaat ctatcgcaac 360

tttagaatgt ctgaaaacat attatgtaca tacaaat 397

<210> 16562
<211> 407
<212> DNA
<213> Glycine max

<400> 16562

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cagagcaaag tcagaaaact ctgctcaaac accaaccaaa atcacagctt ttctcactta 120

aagaccacag taacaattcc ttcgatccaa ttcgttaacc gttggatcga ctccaaaatt 180

ttactggaag tctatagtgc ataagcctac attgtgaccg ttgggatcta ctagcaaaca 240

tcaagaactc attctgtact actctttcca cagccaacca cacacaagca ttttctgcac 300

caagctaaaa tcctgctgca cctattttga cagcaaaaat tctgcataag tgcagatttc 360

gaagatcaca cttcccctca tccaatcttg ctcaaatcaa tcctaca 407

<210> 16563
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16563

ntaactgaat ttgcaacatt ccaaatgatt tttaattggt gtaatcgatt acaatatatt 60

ggtaatcgat taccagtgca tctgaacgtt gaaattcaaa ttcaagtgtg aagagtcaca 120

tcttttcata aaatgctttg tgtaatcgat tacatggtta tggtaatcga ttaccagtga 180

caagttctga ataaaaagtc aagagatgta actcttccaa tggttttctc aagattttct 240

caaggttata actcttcaaa tggttttctt aaccagacat gaagagtcta taaaagcaag 300

accttgactt gcattcaaat aacttttaca acttttgaga aatcttgaaa cctttccttc 360

tcatctttct tcttcttcct ttgccagaaa gctttctatg ttttctgt 408

<210> 16564
<211> 400
<212> DNA
<213> Glycine max

<400> 16564

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ccctaagaga ggactaagac agggtgacct actgtcacct tacctgttca ttctacgccc 120

cgagggtcta tctaattaaa accctaacaa agacaacaat aagagaagga actcatggta 180

ttaaggtttg tagaaggact ccaatcctcc cacacctctt atttgctaat gatttttat 240

ttttttata ggagtctatt attcttatgg aggttcttac ttctttatgg caaaatctct 300

ggtcaaatga ttaattatca aaagtctgag attttcttca tcgacaacac tgaacacaca 360

attagacacc acgtagcatc tgtacttggt gttaacaaac 400

<210> 16565
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16565

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ttgggttaga aattttggtg tttgaaaata atagaattgg tgctttctga ttttagtaga 120

acttggtcat tactctactg cagaatttct cccttaaact aaaatgtata aatatgccct 180

tattggccac atgaggcttc agctttgtgt ttccaagtag aagcactttt atttaatagc 240

caccctttg tgtacttgaa gttgaatcca caagtagata aactcaagga gccagtcaga 300

aaattcactg cttangtaac caaaaccatc catttcattt ctataacgct gcttatgcat 360

aaaaaaaact agaaacttat ccaaccacgc atcaataatc aaaccccag 409

<210> 16566
<211> 389
<212> DNA
<213> Glycine max

<400> 16566

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tgttgataat tgattaacgt catgtactaa ttcaagctta gcaagaaaag taaaatctaa 120

tagtgccttc caagtgttca caagttaact agtaatagga ttaaaagggg ccttttttctc 180

aaatggattg cacttacttt tagccccaca gaaaggcggt tgatttggtc taagttaaaa 240

ctgcactttt atccaagaca gtcaaattaa aattcataaa ctgtagtaaa aaccaatcaa 300

gtaatttgtt gtcttctgaa aatgttggag cttactatcc cttaatgaac acacatgaaa 360

ttgaattcaa attctgtcat ttttggatg 389

<210> 16567
<211> 302
<212> DNA
<213> Glycine max

<400> 16567

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cactggacaa ttattattgc tgaacgctta cctgaccatc tcgtgcgttt accacaatga 120

aggcttttct gtaatgaagc actctagcct ttgacacact gtaagtccgc taggttctta 180

tgccaatctc agacgatggt cagcttcagg agacaactgg cacatatccg tttatgcagg 240

ctagaaatac ttagcccaag ttagccaaga aatatgctca cactgttttg atgcacaaat 300

ga 302

<210> 16568
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16568

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ttgactatag aataaacaat ggccgggtgt cggttgctat atggcctcga ctgatatcct 120

tcagccgaca ttgcgcaatt tcttttacaa acgttggtcg ataatgtttt tttacggtag 180

aggaagtttt ttgttttgct gttgcttaaa aaatttacaa tgtaggttag ctaggtattt 240

ccgtgcgagc tcaaccgaag ttgngtttcg gccgacactg gcatgttctc atttagtcga 300

ccaagataac gttagcccac cctggcacaa aaaaaacatc attcacgaaa attgatcgaa 360

caaatgatag ctgacgtcgg cgtggagaga tgatgtgaat cttacgaggc agatcgcttg 420

atac 424

<210> 16569
<211> 355
<212> DNA
<213> Glycine max

<400> 16569

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aaggattacc aaatgaggac ccctatgaac atttggcaac attcattgaa atctgaaaca 120

ctgcaaatat tgcgcgtgat ccagatgaag ccattatact cgatctatat tcaatgtgct 180

taatcagaga agcctaaagg aggctacact catttaaagg gaacaatctg aaaacctgtg 240

aatgatgtta ttgaacagtt tgtgaggaaa catttcccac agacaaagac tgagaaaggg 300

aaagctacaa tctcttcgat ttgtcagttc cctgacgtaa ccttgaatta agcgc 355

<210> 16570
<211> 427
<212> DNA
<213> Glycine max

<400> 16570

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gtctcttgct gaaattgcat attctggatg gtcatttgcc tcactaactc ctctaaggaa 120

ggttgagaag gggcctgact tgcttgttgt ctttgtcgct attgctgcat tggaggagga 180

acatatggcc tgcttagact agcaacattc tagaaatgag ggacaaattg ttgttgctgc 240

tgttgttgtt gtggaggatt tgcccatctc agatttggat gattcctcca acctggattg 300

tatttgttgc ttgaaagatt ataattattc tgctgttgct ggttttttg ttgaggggt 360

ctattataaa tgtttgcagc ataggcttca ggttgctcat tgactccagg ttgctgcaaa 420

gaaagat 427

<210> 16571
<211> 334
<212> DNA
<213> Glycine max

<400> 16571

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atttttctca gagcttccat tttcaattac gagcgcctcg atattcaacg ggactcaatc 120

ggacatccga gtccaaagct attgtcgcgc gaatttactt agagctcctg ttttcaattg 180

cgagcgtatc gatatattat agggctcaat ctgacatccg aattagaagt tattgtcgct 240

tgaatatact cagagcttct gtgttcaatc acgaccgtct cgatatccta caggacacat 300

tcggacatcc gattcaaaag ttattgctcg taga 334

<210> 16572
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16572

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cctagggaat taaaaaaaac ttaatggctg agtgtaactg aaattgtggc aaccaaaagt 120

cacccccaac agccaacttc agccaccatt tggtctccca aaaggctgat gcctaggttg 180

ccaattgggc ccttattaca acttgaacta aacctaacta aagccctttt agttgattaa 240

cccaaaacat attttggtca gccaacttta caaggattgg gccattattt agacaaacta 300

aacactctaa aattgagaca aagtggtgtc attcagtcct cctccatttg ggccatgata 360

caactcacaa ccttggactt ttctccttga aacttgngct tgtattcaaa tagtatggac 420

agcacttg 428

<210> 16573
<211> 394
<212> DNA
<213> Glycine max

<400> 16573

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gattttgctg tgcaaagacc tgcagagaac cgagcttgaa gaagaagtcg tcctgagagc 120

atgagatgag tttgtgagtg attgcgaggt tctagaggtg gaggagacat cctcaccgct 180

tgtatttctt caatccttca tttttatttt ctctttgttg taaaggaagc ttcctagcta 240

ttgagagtta aatcctttgt tggttcttcc ttgtaagcac ttgatgtaga tacctgttta 300

tttatttaat gatgttttgt gtgctatcag aacttcattc taccatgctt gttccttgat 360

cacatagatg catgtgttgt tagaatcatt caac 394

<210> 16574
<211> 433
<212> DNA
<213> Glycine max

<400> 16574

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aaagaaaaaa aaaaagagag aatctaagat gtgaaaaaaa aaatggaaag ggacaagtaa 120

tggagcaaac acactaccat taccctctct tttttccagt tttccagcac cacaagtctc 180

caactccaac aaaaataaaa ggcataacgt acaccaagag agaagaaata gagtggggaa 240

ataacaaaaa aaagggaaaa aatgacgttt gcaccgccgt ccataccact actctcagag 300

tttatttcgt agacaagtca aatctagttg ctcattctct agctcaggca tctagatttc 360

ctgctaacat atatctttaa tagtattccg agttgtattc tagttattat tattaatgaa 420

atgatatgag tat 433

<210> 16575
<211> 379
<212> DNA
<213> Glycine max

<400> 16575

ctaacaatgg atttcaaaat ctttgttttt tatgggtcaa tgaattattg catgttgata 60

attgattaac gacatgtact aattcaagct tagcaagaaa agtaaaatct aatagtgcct 120

tccaagtgtt cacaagttaa ctagtaatag gattaaaagg ggacttttc tcaaatggat 180

tgcacttact tttagcccca cagaaaggcg gctgatttgg tctaagttaa aactgcactt 240

ttatccaaga cagtcaaatt aaaattcata aactgtagta aaaaccgatc acaaggtttg 300

ttgtcttctg aaaatggtgg agcttactat tccttaatga acacacatga aattggattc 360

aaattctgta tttttggat 379

<210> 16576
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16576

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tggggctgaa gtacaggatg cacggatgcc gactattagt gcaaaggaag agggaacatc 120

aaccgctctg agcatggtct tccttgcctc ttgaaattta actgtttggt tattcacatt 180

ccaacatttc cttatgatat aagctaagtc aatggccgac cttaagtttt catagaaggt 240

aagggcatca gatcctactc ccctcgatct acacaaggca gtgattaaag ctgggaagcc 300

taagcgagaa gagttagact gagccatcat ggtcattntt ccagagatca aactgccaat 360

gttcatgtcc atccttgtga ctaagccata gaacaaccta gctctgtctg tgtcaaatct 420

<210> 16577
<211> 390
<212> DNA
<213> Glycine max

<400> 16577

tgcttctatc tatttcagga tcaaaggggt gtaaatcacc tggattgctc ctagtcatgc 60

actatatgca gcaaataatg tgttcctcaa caagcaccta acaaggggtt aaaactacag 120

ctatactcaa acgatatcaa gatgagctga aattttgtga ggaacaccct acaatcatga 180

aaagatagca caacaatttt caaacaaaaa ttcaaagtct aactatgaaa actacctacg 240

caaagtttag aaaaataaga caataatact taaaaaataa aaaagaaact tagtaaacga 300

ctgatttttg gagtttggga gaccccaacc ggctttcgcg gagtgccaaa gtatggaaaa 360

aaaatttcta tcccaaatgc atatataata 390

<210> 16578
<211> 413
<212> DNA
<213> Glycine max

<400> 16578

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ccgtctccga ttttatctgc ctcctcttaa gcaacttgta cttgtagctg ctactgctgc 120

tgctgttgtc cactttgtgt tctgccttcg ccatttgctg caacaatttc tgaacctcgt 180

cgtagtcatc ttcggtgtcc gtggactcaa tagcctcggc aacgctagaa aagccttcgt 240

aaaaaagaaa cttggaccgg ctcaccccgg ctttagggaa agcctgaaat gggtatgggt 300

ttatcgtttt acttgtttgg ggcttacaga atctcggata taaagaagaa acgcggaagg 360

tgttccttaa agttgaggaa gctcgcttgg ctacgttggt ccacattttg tac 413

<210> 16579
<211> 385
<212> DNA
<213> Glycine max

<400> 16579

ttcttgttgc tggagctgac ccatcaactg gtgatcccta agctcttgac cttgacttga 60

tagaacctct ttttaagcga aggcgtttga cttgatccca tgttttacta aagtgaaaca 120

aaatctagtg cgaatcaaaa ctccgacatc tatcatgggt ggaatgcatg aatgcatgaa 180

gaaatgcata tgatacagat gcaatttatg aatacgggag cccgggaaat tgtctccttc 240

ttagatacaa cgtcttgagg tagcacagtg cccgacgtat gtatttaaga aggtgacacg 300

gacccttcgt tagcttgcca aaaagagagg atcaagacag aactcgtgca tgatgcgtat 360

gtgaaaggca caatacgtgg atgta 385

<210> 16580
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16580

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ctccaggtac cactctgtgg tcaacaataa aagcaggaag tttcaccctt caacacttcc 120

tcatctcaag cttgtaggat tatggggtac ccatcacatg tggtactagg tggcggtcgg 180

gcgatggtgc acaacaagtt ttccacatcc acaatgcgcg cataaaccca ccatcccctg 240

ttgcccacct ccatccgagc tcacgtactc ccacgtagcc catatccccg tttcgctcaa 300

caccaggtcc ccatcaatcc tcccaagctt ccaaaacatc caagcaaaac aacattcaaa 360

cagcacaaac taccacagcc aagataacag ggcagaggca gaaaactctg cccaaaacac 420

caacca 426

<210> 16581
<211> 391
<212> DNA
<213> Glycine max

<400> 16581

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ttcaaggtta gagaagcgaa attgagaatg acgtaaattt ggagcaaact ctcacctcac 120

acaagtctat aacatcaatt taaacttgct catactggat ttacacctaa aattccaccg 180

aatcaaaatt tgactcctca acacccaatt tttaccctag aaatgactct ttgtccactt 240

ggtcatttgt ttttctcact tgcacagccc aagctttctc ataagtccta aatgacattt 300

caaactatga ttaactcact ttaacctcca aataccacta aatccagatt tggccttcca 360

actctcataa actcactctg tttccactca t 391

<210> 16582
<211> 419

<212> DNA
<213> Glycine max

<400> 16582

tatagaatat ataatataag aacactgaca atataatagt ctatacatgt ttcctttgat 60

gagtctaatg ccattcttcc aaggaaggat tttttagatg atatttcaga ttccgtagaa 120

gatacacata ttcatggaaa tgattctaaa gaaaaagatg aaggaagcaa tgaggattct 180

caagataatg gggctagagg aaataatgaa cttccaagag aatggaaagc ctcaagagat 240

catcccctcg acaacattat tggtgatata tcaaaagggg taacaactag acattctctt 300

acagatttat gcaataatat ggcttttgta tctatgattg aacctaaaaa tataaaagaa 360

gccataggag atgataactg gatcattgcc atgcaagaag aactgaatca atttgaaag 419

<210> 16583
<211> 389
<212> DNA
<213> Glycine max

<400> 16583

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gtggtacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcag gtggggtgct 120

attgcccaaa accaagcttg accaatcctg acccaacccg ggcatagtca gtcagtgaga 180

acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaag gaacaaaggc 240

cacaaagcat gggggcttgt ggtggctggc cagctgtgaa atttgattga tatgtgagat 300

atggcctctg gtaatcgatt accatgggtg ggtaatcgat tacaatgctt acaaatgaag 360

acaggaggct aagatggtct ctggtaatc 389

<210> 16584
<211> 416
<212> DNA
<213> Glycine max

<400> 16584

tgccacccag cttgcccagg tgagctagat tgttttctcc ataagcaact gccttctaaa 60

ggaatatttt ggaaggccaa gtgggtctgg ttgctatttg aacccccatt tttactaaat 120

acacccccct gctctttatt ggagattctt tttccgtaac gttatgaaat tttacgaatt 180

tcgaaacgat gcttggtttc tttccataat gttacgaaac cttacggatt acgtaatcat 240

ccctttttg ccttccggaa cgttacggaa ctttacggat tgcacactaa cacttccttt 300

taatttctgg catgtcacgg aacttcaggg attgtgctac aatgccttct tttgacttcc 360

ggcatgtcac ggaacttcac gaattgccta atgatgggtg ccaagtacct cgaagt 416

<210> 16585
<211> 362
<212> DNA
<213> Glycine max

<400> 16585

agcttgtata gatccccaat ttatggatat tttttattga gacgctaact cagacttgat 60

gtatggctaa cgatgtctct agaacatttc cattagattt aaagatgaaa tctgtgcatt 120

ttcaggtgaa aacaaaggct aagttttgaa ttgcaaagag tagtagttgg gctaagctca 180

atagtttggc taagcacata tccatcacta agcgcagctt caacacactt agcgcaaagg 240

agaatctggc aaagcatcag catcaaagcc gcgcgctaag cacagcaggt gccttcagcc 300

atgctaagct cgggacatgc gttaagcccg aatccactta ctcgcgctaa gcgcagcatc 360

gc 362

<210> 16586
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16586

tgaaattgca tgtgggtacc tattttgaat ctcctatgct gtctctactg acataaaata 60

gtcccaccat cccaattttt gcaaaaccat attcatatat cattggagca tttcaccgag 120

cacttggtgg gcgcacgttg ggacataaat tgcaagagaa tgggggcaat gcggcatgcc 180

ccattgcttc aaaatacaac ataggcctaa ggccttctca ttcaaatcct caactcaaga 240

aatcaagcat aaaaacaaac aaaaactgcc ccacaaatat aagcacgttc tcacaattaa 300

aagcaccaaa agatgaagaa aatactccaa tgggaagcaa aaaactcaag gattgaatac 360

ttacttgttg gagtgagtag aaacaccaaa tatgacagca naatgcaacc a 411

<210> 16587
<211> 387
<212> DNA
<213> Glycine max

<400> 16587

tgcttagtaa agctaggcac taacaatctc ccccttggc aaattttgtc taaaacatac 60

ttagacactt cctgagcagg tacgagcagt tatgcatgtg ggatcagcaa ctttcattat 120

cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180

catctcacat gacatcagct ttctgcttct gctccccctg tctccatgct cttactgcag 240

catcttctat cagctactag tcttttccag gatgtcaaga catctcatgt gacatcagct 300

ttcccttgtc tccatgctct tactgcagca tcttctatca gctactatta gcttacatca 360

gtcatcatca gcagcagcag tcttccc 387

<210> 16588
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16588

tgactaggcg agttgatttt agccttagtt tcactttagt tattagtcaa ttcaattaag 60

aatgagaaat cccaaagaga aaacgtccga ttgatttttc gctttatttt actaaaaggt 120

atttttttatt attatattat tattttacct ctttttttgat ttccaacgta gttacggcac 180

gaccgaacgg tcggaattca ttttaaccga aattaacgga tgatacaatt caaatgatcg 240

gtggaaattt attttatttt tagattaggc gagaaatgac ttaaataaat gactgaagca 300

cgtcaaaagg ggatatagaa agcgaatgaa aatgagaata aaaatacatg atataaaatg 360

tggaccacca cgggtacata gaatgaattg aanagctcgg cttgaggtac ttacccgttg 420

aa 422

<210> 16589
<211> 390
<212> DNA
<213> Glycine max

<400> 16589

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agttaatgtc tttcaaaaca acgtcgttga cgacgttgtt gttgttgtta ttgtcttcct 120

cattgttaat tttggtggtg gtgactctaa aagagagggt tttgggttgg tggcaggatg 180

gccaggccct tgatgaagaa gaggaggagg atctgacatg tctgcttttc agaagattaa 240

aaaacttcat ttttaattag aaaaaagaag gtaatgagag gaaacaaaat ggatatattc 300

aaatgagttt tggaggttct gatatggcag ttaagtccat agaggaggaa ttaatggttg 360

gtcagaaaaa tggactgtgt ggggggatga 390

<210> 16590
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16590

ntgctagtga aggtcttgaa cgaggctcat gtggcccaag atatctctgt agaaggtttt 60

ggaggactag tcaataacat caccgccaac aactatctcg ccttcaccga agaagatatc 120

cctgtcgagg ggagagggca taacagggct ttgcatgtat cagtcaaata catggaccac 180

gtcgtggcca aggtgctcat cgataacggt tccagtttaa acgtaatgcc caaaagcacg 240

ttggagaaat taccgtttaa tgcttcccat ctaaagccaa gttccatggt ggtccgtgcc 300

ttcgacggca cccgccgaga agttagggga gagatcgacc tccctgtata gataggccct 360

catacctgtc aggttacctt ccaagtaatt gatattaacc cggcttacag ctgtctttta 420

ggacgcccgt 430

<210> 16591
<211> 395
<212> DNA
<213> Glycine max

<400> 16591

agcttgatgg cgtgtaactc accattttcc ataatataac actttatgtc tactatcatt 60

gttattattt ctttcttcgt cattgaggga aacacttggg ttgccagatc cctccacctt 120

tgggtgtatt ctttgaaaga tctgtgcccc ctttttgcac atgttctgta gttgcatcct 180

atccgaagcc attatactga cactgcctaa cgaaggcaac cattaggtcc ttccaagaat 240

agactcggga aggttccaag ttagtgtacc aggtaacagc taccccagta agactttctt 300

ggaaggaatg tatcagcaat tcctcatctt ttgcgtatgc ccccatcttc cgacaatgca 360

tctttagatg gttcttgggg caagtattcc ccttg 395

<210> 16592
<211> 430
<212> DNA
<213> Glycine max

<400> 16592

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aacaagtttt ccacatccac aatgcgcgca taaacccacc atcccctgtt gcccacctcc 120

aactgagctc acgtactccc acgtagccca tatcctcgtt tctctcaaca ccgggtcccc 180

atcaatcctc tcaagcttcc acaacatcca agcagaacaa cattcaaaca gcacaagcta 240

tcacagccaa gcaaaataga gcaaaggcag aaaactctgc tcaaacacca accaaaatca 300

cagctttttc tcgcttaaag accccagtaa caattccttc gatccaattc gttaaccgtt 360

ggatcgactc gaaaatttta ctagaagtct ctagtacata agcctacatt gtgaccgttg 420

ggatctacta 430

<210> 16593
<211> 395
<212> DNA
<213> Glycine max

<400> 16593

agcttatata aatatgaaac aactaaaata gaagtggaat atcgtgttat aagtatagac 60

aaacaaaatt aacaagagaa aagtaaaaac ttaaagttaa atataaacca ataaaatgag 120

tagaaatagg atttataatt aaatataaaa gaataaagta tatagaaata gaaatagaaa 180

tagagtaata acgggtatca ctggccgggg catactcaat ttcttcgacc acacatattt 240

ctctcgcttg gcttactgac tcatgggatg tcaaggggca tactctacca ctccctttta 300

tagcctataa atggtgccat tttccacata tgacacacat ttatcattta aaaaaaaaaa 360

aaaacatatc cactctcttt tatagccaat caatg 395

<210> 16594
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16594

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ttatcttcac atgataccac tgcgagctaa ctcaacatga aatgcgagct attacaactc 120

agactatatg attaagtacc ccacatattt gacaagaata ttataattcc tgaacctatt 180

acaactacaa caagtatggt attttgattg ttagagtaca agtgtgaggt gaagtactac 240

atcgggtaaa agtgaaaaag ttaagcacca tacaagtgag tagaagaccc ataaacctga 300

gccttaaggt tttgggttaa agtgtgagtc aagtaccctt atgtgattgc tcatggctca 360

ttggtgtaaa tctccctggt gtttactccc ctcgaattcc ccaacaactg gtatcagagt 420

cgatg 425

<210> 16595
<211> 396
<212> DNA
<213> Glycine max

<400> 16595

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gtgatgtatt ggggcttaag tgcaaagtaa ttgaggatta agtgcagcgc ttaagcatgg 120

attgactggt gcttaagcct gacagtgatg cttaagcaca actggactag cgtttaagtg 180

tgactcttta ccatatctgt tgtgaatgaa ttccaaatgg atttgaattg gatttttctt 240

atattagaag gctttgaaat gacataaata ggtttgaatg ttatgttgga agaatttacc 300

tttactaagc atagataatt agaaattgaa tcaaattggg tatgaattcc ttgtacatta 360

agttgttgtt gatgaattgt tattgaaatg agtctt 396

<210> 16596
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16596

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cctctgatta ttgtagtggt gaacgaggtt tatttagttg ttaatcattc catgaaccct 120

tttccttaca tcctctttgt agttgcagag gttcaatatc taagccagga aaaaaaactt 180

attagtcatc taaaatcttc acaaatgtaa cctaatggtg ccaaatagcc acatgtttac 240

ctgctcagga gcacctttgc tagatcgatg ccaatttcca tcagaatcaa tgtaagttag 300

aggagtcctc ttgtccacaa gattgaatgg aagaaagtgg acctccctaa taccagctcg 360

tgcctgatca gttcatagga aaagtgaatt tatttatcac cattcatccc acatcataaa 420

agataatc 428

<210> 16597
<211> 378
<212> DNA
<213> Glycine max

<400> 16597

agcttgttga gcttggaaga ctctctgcat caatgaagaa gttagagaaa gatctcaaga 60

acaagaataa atacgatgta tgttatccat tcttgtggat aaattcttca aactttctgt 120

tatgggtttc tttggactgt gattgcctta cttttgtatg tgtattggtt acctatatat 180

ggctgcagga tgagcaatac cgcgccaaac taaacaagtc aaatgagagg actctatcac 240

ttatcaaagc atgaattgat actgtggtag cagtaagact gcttcaatcg gcacccaaga 300

cagctactcc tcgcgtaact ggggcttttg gatttgattc gtctctaata tcttgctatc 360

aggtacctgc tagtataa 378

<210> 16598
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16598

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tagtcgatga tctctgcgcc aaggctgctc tgctttcaaa gcagaggaag atgatgccat 120

tgttccctac gtgcaacctt aaaccactgc tccaactcag gaaaatcgaa aagcagctgg 180

cacgggaagt ggcaccaatg aagaatgtca aaatgttgcc aatccgggat gtagaggagg 240

aaaaagaagc agaaaccgtg gtgcgaggtt atgtcaagga aaaaattatg aaaagcatct 300

tggacaggaa gaaaggtgtt gttcgagcgg ctgtgattnt tgggattaca gggttagaga 360

agggaaaagt tactgaatat gtttgcgaag atgagaatgt gaaaagtggc tttgacgt 418

<210> 16599
<211> 368
<212> DNA
<213> Glycine max

<400> 16599

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agataagggg accccatttc tccccgtata ttttgtcttg ctgaggagca aggttcttag 120

cagaggcata tcagacttgg gtcacaaggg caaattagcc cccatggttg gtcccacctc 180

cttctcacat gctctatgca aatgacatca ttatcttctg cagaggcact aaaaagaatg 240

ttcacaatat tctgaatctg atgaatatgt atgcataagc ctccggtcat gaggttaacc 300

atagaaagtc tacttaatat tctggtgggc tctctaataa tcggatgtat gaaagctcct 360

ttatactt 368

<210> 16600
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16600

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tttctcacaa aaacaacatt cgacgcaaca gcaatggtgt ttgcaaaccc aaagaacgaa 120

ctaaagcgga taaagaaaca aaaacggctc ctcctaagat caccaaccac gcaaatgcag 180

acatttcagt tcaatcatga ccgaaatagc cttcacatca cttgattttc atggggactg 240

acttttgtga cttgcggagt atatgttatg taacttataa tattgctaca cggcatctct 300

tactgttata taatgaaagt tattgatgta atatgtgagg atgtttcccc agactagtcc 360

ctggattnta aatttaaatt aaatgctttc agcacgacta gtagcattag gggtcttatt 420

ata 423

<210> 16601
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16601

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catgaggtca tttcttcatt cagctttgaa gagaatgcca tgtatcactg tatataccag 120

aaggtcagtg agagtaggat ttgtttcctt gtattatacg tagatcatat tttgcttgcg 180

actaatgata agggtatgct atatgaggtg aatcaatttc tctcaaagaa ctttgatatg 240

aaggatatgg gagaggcatc ttatgtcata ngcataaaga tccatagaga aagatctcga 300

ggcattttag gcttgtccca agaaacctat atcaacaaag ctttagagag aattaacatg 360

aaagattgtt caccaagtgt agctccc 387

<210> 16602
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16602

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ccatctcatg ttcctgtaat tttcaaaata aagtagcaag agacataata gacaaatctc 120

tagattctat aatggttgtt acttttggtt gcctcatttt gaaaagttct tcctaatgaa 180

gcaagatggt taactatatg tgtgaatctt ttctgcatat cttgtatact ttcatttgtc 240

ttcatcctaa ataattcata ctcatgagtt agagtattta tcctagatct tttgacatca 300

gttgttccct catgtgtaac ttgtagagtg tcccacatat ccttagcact cttacaattt 360

gacaccctan aatattcatc cattcctagg gcagaagtaa tgatattntt agcctttaaa 420

t 421

<210> 16603
<211> 395
<212> DNA

<213> Glycine max

<400> 16603

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atctaatcat catgctttga taaatgccca aaagataact atggcaaatg aaaagggtga 120

gaatgaggga gaagcccatg ctgtgactgc cattcctata cagccatgtt tcccaccaac 180

ccaacaatgc cattactcat ccaataacaa accttctcct tacccaccgc ccagttatcc 240

acaaaggcaa tccctaaatc aaccacaaag tctgtgtact gcttgcaatg acgatcacca 300

cctttagcac aaaccaaata caccaaccaa gacatgaatt gtgcagcgag aaagcctgta 360

aaattcaccc caattccatt gtcctatgct gactt 395

<210> 16604
<211> 444
<212> DNA
<213> Glycine max

<400> 16604

gacctatgaa tctcagcttc tatataagct gaaccatttt atcaataaac ttttgttgag 60

ttttattcag aaaattagag gttatctctt ttatcttagt gagagtgatt ctcctaaatt 120

cttgagtgat tcaagaacac cttggctgta tcaaaggact tccacaacct ttgtgtgttg 180

acctcgctgg aaagagtgat tctttccttc ctttcatcat caccccttgtt ctttcaaacc 240

acaattccag aaaatccacc tctgcccaga attatctcgt ggccataact cccattttac 300

gcactcaaat taagtgattc ttgagcctaa attgaatttc aaaacgagac ctttcacctc 360

gttttggaat catctcattt ggagccctgt agattcagtt attgccattt ctatatttct 420

gtccagccac cacttaacct acgt 444

<210> 16605
<211> 391
<212> DNA
<213> Glycine max

<400> 16605

agtctttcct ttttgtcctc ctcatagttg ttgcatgaga atacatgctc tattttcatc 60

tcccactcca agtaggcctc cggatcattc ttgcctttaa gcggaggaat gtcgagttta 120

ataccatgaa ttcggttttg tctaagaaca ccatcattcc ctcttgtcct actttcttct 180

tcattatgac ctctattctc catttgatcc aacctctcat ggagcgcatc atctcgttgt 240

ttcattagcc tctccaaatg atgcatcgaa gcttgcattt ggaagtgcga aacccccact 300

ccgtcattag gattagtacc tgacatgtca aaccggcaaa tcaaacgtaa cacgacaatt 360

cttgctgctg gtggaacacc tgacccactc a 391

<210> 16606
<211> 422
<212> DNA
<213> Glycine max

<400> 16606

tgcatttgga attgcgaaag ccccactcca tcattattat tagtacctga catctcaaac 60

aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120

tgtatcacac aattatggct tttctctaat gaaacactct tgccttttac cactctaatt 180

ccccttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240

atgtgtaagg taaggctaga caaggaaaag gttaaccaag aaaaaggcta acaatgtttt 300

taggcacata tgaaggaaat aaaattcaga atttaggaat tcaagtaaca atccttcatg 360

caaccaatat attaccttaa agagtttttt ttttttaagt tcttcaagca tgaagcattc 420

ag 422

<210> 16607
<211> 388
<212> DNA
<213> Glycine max

<400> 16607

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agaagacacc tttttgacaa tgaggtgcaa gcggcaacca gtttcttgga tgatatctcg 120

cggggtcata ttgatcgttg gacatcagac tgctgggttt ggaaaccaga acctaatggc 180

aagttttcta caaggagtgc atactgtatg ctactagaag gagcagcata tcagactatg 240

gatgaggctt tagaggacct atggcagctc aaaatacctt taaaaccaac aacatttgct 300

tggtgattga tcaaagatag aatcccaact aaagggaatt tgtggagaag acagctggag 360

aaacgctgtg cccagcccta caactatt 388

<210> 16608
<211> 432
<212> DNA
<213> Glycine max

<400> 16608

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atcttgcgaa ttctacttct cctctaggaa attgcagctg cgcaagttca acaagctcat 120

cgtcggacat tgcgtcttat tcttctccta taacaaattt ttggagagat ttgtgtggtt 180

gagtaatggg ttttggtgta tcgtttcatg catcacttca tagtacatta tgtattattt 240

gaaaagtatt ttcttgtcta tcgtctcatg gtttatttta aagttagatt aatggcattt 300

gtcaagcatt tctcaaccat ttttgtcatg ctctgcttca agcataaact attattaaaa 360

ctttgaaaca tttagctgaa acacaaaagg agaagaataa tgaatataac aaggcataca 420

aaacattaat gg 432

<210> 16609
<211> 348
<212> DNA
<213> Glycine max

<400> 16609

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caacactgac atggctcccg atagaaccca attgcaaatc atgtgcaaga aggagcatga 120

gtctttcaag gagtacgcct agaggtgaag ggatttggta gcccaagtag cacccccat 180

gatggagaga gagatgataa ccatgatagc agacacattg tcagtcttct actatgagaa 240

aatggtaggt tatatgccct ctagttttgc agatttggta tttgcgggtg agagaattga 300

agtatgctta agaaagggga agttcgatta caccacttca gcaagtat 348

<210> 16610
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16610

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atccagtaga atatggtatg gaaggttggt tgtggggaca aaatcaaatt ttggcaagat 120

tcttgactga gtgagggctg taagcatttc aaaaaaagat tcttggcaat atggaaggaa 180

ggttagttta ttaataatat tcaaagaaag attctcagag tagaacccgt gcagaccaac 240

cctggatggg attcagtttt cttctcttgg ccaagggcag aaggaaagcc ttgctgctag 300

attctctgaa gtggaaatta agtctgcagt ttgggcttgt agtggagata aaagccctgg 360

cccgtatggt ttgaacttca actttatcaa gtagttntgg gaaattctaa aacctg 416

<210> 16611
<211> 391
<212> DNA
<213> Glycine max

<400> 16611

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catttacaga gggatttcca aaaccagatg cacttattgc cgaaaaatca cgaagtccaa 120

agtcctatat atgttacgtc tcaaaaattg gatgcaatct catgttgtaa caaagtcatt 180

tacaaatccc ccagtcccca cataaaagat catacttgtg ccattacttt gcaaattaaa 240

atctgtctcc ttgatatgaa tatattgaag aatttcttta caggtgaatt acatgataac 300

tgatcagcgg ataagtaggc agtatggaaa gctggtaaat aaaaagacaa tatgattcac 360

ataccagaag tggcccactg gtccaacgaa a 391

<210> 16612
<211> 423
<212> DNA
<213> Glycine max

<400> 16612

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cacttaaact cacgtatgaa gatgtgactg ttgcattaaa tgcacatcct cctcatgctg 120

gaaaaccatt atctttagct accttgaaaa atacttcagc aggaaaccac ttgctttcac 180

tcagagcaag tttgtcatag catagcacat tgtttgatac tatttgaact tcaaggtgtt 240

gaatgttcct ttatgcttct taggattttg atagattcta agagaatgtc gtgtaaaaca 300

gttcttgcaa aatgaatctc agacacaaag tattaaatga aaattttaaa tgcattctta 360

aatgttgtat caaatcataa ctaatgttta ctttcatttg aaacttcaaa agcatattca 420

atg 423

<210> 16613
<211> 390
<212> DNA
<213> Glycine max

<400> 16613

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ctatgcgaga catcttgcca aacaaagtca ggttaacgat aactcgcctg tgctttttct 120

tccatgctat atgtagcaaa gtcattgatc cagtaatgtt tgatgagttg gaaaatgagg 180

ccacaattat actgtgcctg ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggtcctgtt tatctacggt 300

ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360

gtacagaagc atctattatt gagaggtaca 390

<210> 16614
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16614

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ctcatctatc tcaccattac aagacctgat atttcctttg ttgttggagt ggtgagccaa 120

tttatgcaaa atcctcgtgt tgatcattgg aatgctgtta tgcgtattct tagatacatt 180

aaaagagctc caggtcaagg attactttat gaagacaaag gtaatacaca agtatctgga 240

tattgtgatg cagattgggc tggttgtcct atggatagga aatccacatc cggatattgt 300

gtctctattg gagggaatgt tatttcttgg aaaagtaaga agcaaactgt tgttgctaga 360

tctagtgcag aggctgaata tagatctatg gctgtagtta catgtgaact tatgtgggtc 420

aaacaaatn 429

<210> 16615
<211> 395
<212> DNA
<213> Glycine max

<400> 16615

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gtctcctcca cctctaggac ctcacaatcg ctcacaaact catcgcaagc tctcaagaca 120

gcttcctctt ccagctctag tctttgtaga tcttcacaca acaaattctc tcaaactctc 180

tggaacttgg acctttctct ctctagaact ctccaattat gtagaagctt caagaaaagg 240

ctaaactcct cttcaaaatc agatttcagg cttaaatagg tggctttgtt tgtgctcgtg 300

cgcttagcgc aattctgaac cgcttagcgt gcattagtga atttcggctt atcgcggctt 360

ttctcactca gcggatggac tgaagcagtg tgctt 395

<210> 16616
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16616

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caacagtcac atgtttttac ttggttcttg aatggccatc aaaggcttat atatatgtga 120

cttgagacac gaatttgcta agagtttttc agaacaaaaa ggtcttatcc tcttaaaaag 180

caaaatcgtt ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggat 240

ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagattact tcttttcttc 300

ttctttattc tgaaaaagga ttaagagacc gagggtctct tgttgtaaag aaatctgaac 360

acaaaggaag ggttgtcctt gtgtagttca gatcttgtaa taggctntta caagatagtg 420

gaactct 427

<210> 16617
<211> 393
<212> DNA
<213> Glycine max

<400> 16617

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tgttttcttg ctctctcttt tttaagcaat attccccaat ttcaccaaga tttctgactt 120

gtcttcaaaa tattggtttg aaacttccca atgttggttt taagaaagtt ggaatttgct 180

tttctttggt tatggatatt ccaactctct ctttctagca atattctccg aattcaccaa 240

catccctgag tggtctttca aactattgtc tttttcagtg gaactgagtt ttatgttttt 300

tattgggaat gaaattatct tgtaataagc tgagagttta gtaagcttca gcttgaggtg 360

ggagtgttaa gaatctgaca gatattctag atg 393

<210> 16618
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16618

tgcttctata gccaaaagta catattcgat tgtaagatta ataaagaaga gtcaaatcac 60

atctaaacag tgttttgttg tttcatattg ctgaaattga taagaaagac aaaggttgca 120

gttctcaatg ggaaatgaat caatcagcca taagacaaca atataggaca actatcttat 180

tttaattaat ttatttcatc aatttgtcta tttttacact tctagcgtct attcaagcat 240

aagacagtaa attggccata ataggcatgg cactaatatt taaaaaataa aacattgaaa 300

ttttgacaat aaaattgtca taagacagta aattgcccat aataggcaag gcactaatat 360

ttaaaaaata aaacattgaa attntgacag taaaattgtc acttttttact atgagatgtt 420

gataaaag 428

<210> 16619
<211> 147
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16619

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ttgatttatt attatgcatt ctcgtggcag aaccacacac tttgagacat gcctcattga 120

ctgaatcaaa atgccccgag ccctgcn 147

<210> 16620
<211> 381
<212> DNA
<213> Glycine max

<400> 16620

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tctttcatgg agaaactttc ataatgttgt gtcagagtgg caacctttct tagttgaaca 120

tcttatgttc cttcatagtt gatgcttaat gagtctcaaa tctctttggt tgtctttagt 180

ctgcatatct tgttgtactc attcttggat agagagcatg tcaaagtata acgatttttt 240

gtgtttagct ccattattgc aaggtctgca tttatccatt ctgtttcagg tttgggaatg 300

ggtatctctc tatttgtgat gatcaaccaa agtctctagt ggttggactt gatgtacatc 360

ttcattattg ctttacagta a 381

<210> 16621
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16621

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tttgctgtag gaattttcac atagtatttt gcttagtatt atttaggtct tgcctttgat 120

attgtctaaa gctatgcaca tttaattaat aatagggaat attattggca aaatattcat 180

tctcttattg tttattaatc tcagaatcag aaatatgcca agattgtaag atcaaaattt 240

ggttttctat ggcttttcta gtgagtgtta ttggatctag taatagggggg tactgaatca 300

aaacttgtaa gttgaaactt aagggtacat agcttgtcct gccacatctg gaggttctgg 360

tttgagtgca tttgtaggaa tataaatggc ttctcaattt agtttctcat ttgcatatca 420

cacatact 428

<210> 16622
<211> 390
<212> DNA
<213> Glycine max

<400> 16622

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tgtcgatgta agtttcccct tgacttgtta tattgcctgg caaaaatata gttgcgagtt 120

tccctttagt ttgttatatg actggtaaat agtttgcagc taaaagaaaa ccgagagcca 180

agttgccttt actttttttt tgatagttac attcactatc tcattgcatt catagcttcc 240

tttgccattt ccattaatag aatagagaat tcttaggcat atgagcattt aatgcatctc 300

tgtcactgac tctgctcaat agctttcaat aattacaatg acatcttttt ttttggttgt 360

ggaagatagg cagagtcata gagatataaa 390

<210> 16623
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16623

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ttcttaatca atgcggtggc attgtctgaa ggttcttatc aaattattgg gtcattttgt 120

ccacttggct aaccatataa aagtatcaat aagaatggta atgtggggtt tcattttgtt 180

gtggcagttg attgtgcttt acgtggtttt caagcttgac gagagttaca cgccgagcaa 240

agtttccatc cgtgccggtg atggttttca caacttgaag gtaaattttt attttattgg 300

tttgggtttg attgggatga ttatgcttaa ttatttggtg ttgactttgg gaacattttt 360

aggagattaa gaccgtggaa ctcgtgaagg caactgggtg ggtttatcta tccttgtc 418

<210> 16624
<211> 385
<212> DNA
<213> Glycine max

<400> 16624

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tctgtgtaga ttgattggac aaagacttcc ttttatgatt tttaggttgt tttttcccac 120

tgcagtaaat ttgcaaaacc atctaatata ggaggatgat agaaactggt tcagatttag 180

cacaccaaga atatactgtt actgattaac agaaagaatg cacaatttcc ctggatattc 240

agagatccaa gactctccct agtcacaata ctaactcacc aattgactaa ctcctccttt 300

caatctctct ttctatatat aggcagcatg ccttatttct tctaccaact aacctaatta 360

gctaactaat gtaactaggt atcta 385

<210> 16625
<211> 424
<212> DNA
<213> Glycine max

<400> 16625

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ttcctcttca ccttacccca taaagtaaag atgatgccct atttcgagga ccatttttca 120

ttgcttgaca tatccttttt ttttactgta cggtcgcaaa aaattactgc acattataga 180

atatcagtgt catttgtacc aatcaaatat agtttagttc aatgtgaact actaaataaa 240

gatcaaaagg cacaccttct ctaactatgc cgagtgtgtt agtttttag tgatcatacg 300

tgaatatatt catatcttta gtgttaaatc ataatactta taatgtctat atttttctca 360

cttttatcat tttcttatta atgagctcag atcccataag ttcatcggtc tggatatttc 420

aatg 424

<210> 16626
<211> 385
<212> DNA
<213> Glycine max

<400> 16626

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aaatatctta agaaggggggg gggggttgaa ttcagatatt ccaaactact tccccaatta 120

aaaatctatt acacttttta atcaagttat gaattccctt aatgataatc ttcttaaata 180

ttaattcaaa taaaacaatt tgaatatgaa tataaaacaa taatatataa aggacgatta 240

atggaagcga gaatgcaaac tcggttttat actggttcgg ccacaccctt gtgcctacgt 300

ccagtcccca agcaacccgc ttgagagttc cactatcttg tacattgctt ttacaagttc 360

taaacacaca atgacaatcc ttcca 385

<210> 16627
<211> 426
<212> DNA
<213> Glycine max

<400> 16627

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acccatatac aatcaaggga gcttcgttac ctagattatt tacacgtacc tccaaggtgt 120

atttgttact tacatcacac acatctcctt ggctaaattc acatacatgc atactcaaag 180

cattttgggg taccaaaaat tgcacacgtg cacatcttag catttctaat acctatacat 240

acgcaaactt catgatgaat cttgactatc tacacaataa ggtgctacat ttcatgctct 300

ttttttcaag tttttgctgc ctaaagccgc atgcaaattc aagcatattt tcctttgctg 360

actaaaattg aattcaaatt aaaaggtata tcttttgtaa tatgttttct tcacataaca 420

tgcaac 426

<210> 16628
<211> 392
<212> DNA
<213> Glycine max

<400> 16628

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tataataaca atgtaaatag gacagattat ttgttatgta attatgttaa gggaaactat 120

atattcttgt atttatgact cttaatataa atatatgctc tggtgtgtaa ttttacacag 180

aattcatcac atgccatttt ctctcgttct caacactctt ttttaggttc atttatgggg 240

aggaataact atgttcgttt tgagtgttcc ctatttttcct gataattgtt tcaatgtgca 300

gtcaacttct atgatggaga gtcttatgaa gcttgccaag tcaaacactg ataaaaattt 360

agagacttgt ggaatccttg ctggtttgct tg 392

<210> 16629
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16629

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atgaattatg aagccaggaa cattctatgc cttgccacaa agtcctcagc tatttaagca 120

aatgctaatg gtagctggtt ttgacaaata ttatcagatt gcaaggtaat attttcgtct 180

tatgtttgag tctttatttg tagcttggct tcttttacga gaatatgtta ttgtccccta 240

tgtagtgctt tttccttttt ctcttttaag ttttttccct atattaatat gcattttgtt 300

taagtgactt tcataaacta agaatataga atgcttgttt ttgtaagcta tactaaactt 360

aaaattgaaa caattatgat gcaagtgact tttctttttg gataaaatgc a 411

<210> 16630
<211> 377
<212> DNA
<213> Glycine max

<400> 16630

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tctcctcaaa tttcagccag cttgcatcaa ttagaccttg caccttacgc ttcaagcccc 120

tacaatgctc aatggaatgc cccggggctt ctccatgaca agcaccacgt tgcgttcgag 180

tcgtattctc ggagaaatgg aggttgatga accttggtta gggttatggc taccattgaa 240

ttatcaagta gatatgggag caactcagca taggacactg gaattggggt gaattctaag 300

gctttctcgt tgcaaaattc atttcttcgg tggtgttttg gtttacgcta aaggtggtgt 360

ttgtcattgg aagtgcg 377

<210> 16631
<211> 426
<212> DNA
<213> Glycine max

<400> 16631

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tacctggaga tatgtcgcgg gggttaggag accttgggga cgtcaggtgg ggtgctattg 120

cccaaaacca agcttgacca atcccgaccc aacccgggca tagtcagtca gtgagaacct 180

gtgatgtacc taaacaggcg agctcctggc agtcaaccga taaaagaaca aagaccacaa 240

agcaaagagg cttgtgtggt ggctggccag ctgtgaatct tgagtgatat ctgtgatatg 300

gcctctggta atcgattacc aagggtgggt aatcgattac aaggcttaaa agtgaaggca 360

ggaagctaag atggcctctg gtaatcgatt accaagggag tgtaatcgat taccaggctt 420

taaaac 426

<210> 16632
<211> 344
<212> DNA
<213> Glycine max

<400> 16632

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cttgttcttt cttctttcaa catgcatatt cgttcaaatt catgaataga aacacaaatc 120

tcatcttcaa catgcattca atttaaagca aggcatacat ccatttttca aaataaataa 180

actattttac tgcaacacca acaaaagtta agttaaactg ttccagatgc ttcagaatga 240

gcaactacac tactcatgca caaaactaac aagaagtaaa taatgtacta taaccataat 300

tatactaata gatcaaaaag cacaaaaaaa tcaataggaa ttta 344

<210> 16633
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16633

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gttttccaaa ccttgaaaac ttgtgctatt catcttttca ttctcttctc cctttgccaa 120

aaagaattcg ccaaggacta accgcctgaa ttcttgttgt gtctctcttc tccttttttcc 180

aaaagaacaa aggactaacc gcctgaattc ttttgtgtct cccttatccc ttgtcaaaga 240

attcaaaacg acacagtctg agaattcttt tgattcttcc cattccctaa tacaaaagtg 300

ttcaaaggac tagccgcttg agaattcttt tgtatcccca ttcacaaagt atcaaaggtt 360

taaccgcctg agacctgtgt cttaacacat tggagggtac atcctttgtg gtacaagtag 420

<210> 16634
<211> 386
<212> DNA
<213> Glycine max

<400> 16634

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tcaattcatc agtgggcttt ccttctgtgt ccagcatctt gggatgttcc cagcctttga 120

tgacagcttt ccaggttctg ctatccagtg atttgaggaa ggccaccatt attgctttcc 180

agtattcata gttgcttcca tcaagaattg gtggtctgtt cactggtcct ccttctttct 240

ccatgttcat cagaatttat ctccccagat ctcactctgt gatttcgagt gttggctctg 300

ataccaattg aaattctgat accaggggac agatgtcgta caggatgtca cgacatcacg 360

cttcagaaca tgcagattgt atgtgt 386

<210> 16635
<211> 415
<212> DNA
<213> Glycine max

<400> 16635

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cgtgagctca gttgaaaggt gggcaactgg ggatggtgtg tttatgtttg acttgtggaa 120

ctgggagagt tgatttgcac catcgcccga tcgccaccta gtaccacata tgacgggtgc 180

cccataatcc aacaagcttg atgtgagaaa gcgtggaaga gttagtcttc ctacttttgt 240

ttgttgacca caaagtggta cctggagata tgtcgcgggg gtcaggagac cttggggacg 300

tcaggtgggg tgctatttcc caaaaccaat cttgaccaat cccgacccaa cccggccata 360

gtcagtcagt gagaaccttt gacgtaccta aacaggcgag ctcctggcaa tcaac 415

<210> 16636
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16636

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ccaagcggtt ctatggaccc ttccaagtca tagaatgcat tgggctcgtt gcatataagt 120

tacaattgcc ataggaagtt aaaatacacc ccgtattcca ctattccaag ctgaagtctt 180

tttgcggttc accagaaaat atggcgggaa ttgcctggca caaggagtta ctcaacgacc 240

aacccctcgt gtttccatta ggtatcttgg attaccgtag agcatccacc gaggatccct 300

gngaggtgct agtgcaatgg aatggtctct cacctgatga tacctagtgg gaggattgga 360

atcagctgtg tgaaaactac caccttgagg a 391

<210> 16637
<211> 417
<212> DNA
<213> Glycine max

<400> 16637

tgatgagaaa taaatgtttt gcttggtaca acatctatgt tatttaatga gatcattaca 60

ttatttgtgt cttaatagga agtgaaggac atacattaga ggaagccaaa tctatcaatc 120

tatccttgag tgcattgggg aagtgtatta acgcacttgc agagaatagt gcacatgtgc 180

catttcgtga ctcagcttac tagattgcta cgtgattcat ttggaggtaa gattcagtga 240

gtataataat tcatattttg tctttgttca tttatacaaa gcagtaagat ttggcaaaat 300

actcttccta actttcagga cgtgagacag atgaagtcga gcccataccg gatgctctgc 360

ctaatctgga acagtaagct gcctaatgtg tctttgatgc attttagaag tctaatc 417

<210> 16638
<211> 393
<212> DNA
<213> Glycine max

<400> 16638

agcttgttca aatcaagtca ctcccgcatt ttatctctag catgcattgt atgttggtct 60

cgtccttttgt cacgggaagc cggaaggtcc atatcacctt cttaattgta cacatggggc 120

actgcgcccc caaatgcgca agtaagaaga gataattttc cgggctctcg tgtccgtaaa 180

atgcattcat atcatgcatc gcataagcat ctcttcataa catcataatg gacatatcct 240

gcatttgtcc gttatcatat tccggcctca cattttgcat gagtcatggc atcatcatgc 300

atatgcgttc aacaaacttt ttgatctaca aaattgcata ccatttgttt tcatgtttgt 360

tcatccttgc gttttcctct acaaaacaaa aac 393

<210> 16639

<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16639

taagaatggc cttattgttt atgccttgac ggcttgtgct atttcctgaa tttccggtgt 60

tacgaatatg acatgatgtc gtttacgggg tattcaagtt cgtgatataa tacccgcaga 120

aagcttgaag gaccaagctt tcatttgtcc tggttctcat cactcgatca tctggcctgt 180

agaagatcca agtccgagaa gcaaagcaaa gttggtagcc actgctaagt tggttcactt 240

tgacaaaagc tagaagttgc agtatgggtt cccacccacc tgttgtaaat tgagcccgta 300

gggtacaaaa tcaaggtcat ggatgtccgt gtggctattt ttctcattat tttttacaaa 360

ttttttttac tcattgtccc taggttattg gttttttttt ttttttcatt ntatattttt 420

aaatc 425

<210> 16640
<211> 396
<212> DNA
<213> Glycine max

<400> 16640

agatatttaa attaaaaaag ccacttttaa attttgagac tttttttggt acatgaaatt 60

ttgagactaa aaataacttt aaatttaaag gattaaaaaa tcatttttaa atttggagaa 120

gaatattttt tatctaagtt tgaagaacca aaaagacatt taagtcacaa aattaaatac 180

tttgacctga catataaata tatgataaca tggacttcat tagtcatatt aacaacaact 240

acaacattgt ttatgatgag gagttaaaag gagctatttc caaattttgg agaagaaaaa 300

atcatttttt tttaatttga ggaacaaaaa gctaacttgt tccaaattta agtaactata 360

attatattta agaaaaaaaa cactaaaaga tttgaa 396

<210> 16641
<211> 428
<212> DNA
<213> Glycine max

<400> 16641

tcagacaatg tgtggaacca gtcatcgttg gtgtttgttc tgccgaagag gacggtggcg 60

tctacggtgg ctgttgattt gcttcgagct gtgtcatcct ttgcaggaga tcatctatct 120

tcgtgttcat tgctagctga gatgctgata gttttgcaat ggcgtcttcc aatcggtctg 180

tggaaaccct agagcgtgta gcttccgcca ttgatgctca atgaaagcac caatgttatg 240

acttggactt cgaggaccaa gggcctcggt tagtagagag aagaaaggaa ggagagaaaa 300

gaaatcgtgt ttagttgctt gttatttcat gtatgaacat ttacaaggtt ttatacttcc 360

tgcagttgag atctaacaga attagctaac tacaatcaca ttctaactga atctagaata 420

ttccagat 428

<210> 16642
<211> 397
<212> DNA
<213> Glycine max

<400> 16642

agcttcatga aaaagatggc ctcagcaaat tccttatttc cagaaggaaa ttctatcaac 60

agacctccaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120

atcgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180

acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300

aacataataa catctgccct aggaatgggt gaatatttca gagtttcaaa ttgtaagagt 360

gctaaggaaa tgtgggacac tcttcgatta acacatg 397

<210> 16643
<211> 426
<212> DNA
<213> Glycine max

<400> 16643

tgtgggatgg ctttgaagat tgatatcaat aaggcctttg atagggttga ttggaattat 60

ttgttggttg ttatgatcaa gatgtggttt catcagaaat gggtggattc gatgaaactt 120

tgccttgggt ctacgcaatt ctcagtaatg gttaatgagg attctttggg acctatttct 180

cctaggagag ggctaaggca gggtgaccaa ttgtcacctt acctgttcat tatttgcact 240

gaaggtcttt cttcccttct aaaaaaatct gagaggagtg gtgagttaca tggtatcaag 300

gtgtgtaaag gagtccctgt cctctcacac cttttacttg ttgatgattg tttttgtttt 360

gcagggtaaa tgatattgag catattgctt tgaaagctat tctagattcc tatggtgaaa 420

attctg 426

<210> 16644
<211> 384
<212> DNA
<213> Glycine max

<400> 16644

agctttaaaa gattggctaa gattttgtta aaacataagc acttagacaa tgaaggaaag 60

ctggagttgc tgcacatgat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120

gcataagtca agataaaatg tcaaatgaag cattgaagct gcaggatcca cgatgtcgga 180

tacgatgtcc tgacatcttg cccgaaaata ctggacacat gaatctgtta tatctttaac 240

agattattgt gcagttagca agagataaga agatctatct ttatgaacga attaaaagat 300

aattaaagtt cgaatttcaa agtagaagag ttcgttcagg gattaaagat tatagataaa 360

aactaaaaga tcaaactgta tctt 384

<210> 16645
<211> 430
<212> DNA
<213> Glycine max

<400> 16645

tcctcgaggc catttcctgc gaaggcaaac atttggtaag ttagttttac caagaaatgc 60

tactcttaaa acaaaatggc gtacaacctc ctccaataaa cacaaatatc aatgtaaatt 120

tagagcaaac tcatgcacat acttccttac gagtattcac tcgcacaaga tattcttcta 180

actaagaaaa atgcacccat gcacaatcaa agcaccttcg ttacccagat catttatatg 240

tacttccaag gtgtatttgc tacctacatc acatgaactt ccttggctaa atttacatgc 300

acgcatactc aaagcatctt ggctaccaaa aattgcagac atgcacattc tggtatttct 360

aatacctatg catatacaaa ctttgtgatg aatcttggct atctacacaa taaggtgcta 420

catttcatgc 430

Default Sequence Listing

<210> 16646
<211> 360
<212> DNA
<213> Glycine max

<400> 16646

gacaacaata gcccaagaga atggattttc aagaatggat tcacacatag ttcatagaat 60

caagtatatc atagatagat tcacagaatc acagatgaag attggatttc atagattcaa 120

cgagatgatg atattcaaga attcagagtg aagataatca acgaagactt cacaagggaa 180

gtattgaaaa gatttttcaa aaaacaaact ctcatctcac acaagtctat aacattaatc 240

taaactcgct caaactggtt ttacgatgaa aactccatcg aatcaaaatt tgactcctca 300

acacccaatt taccctagaa atggctcttg ccttcacttt ggtcactcat cttcctcctt 360

<210> 16647
<211> 333
<212> DNA
<213> Glycine max

<400> 16647

tttggctttt aaatgccatt aagaggttca actaccccat tcatcttggg cctgcatggg 60

ggggaattat ggcggtggaa tcttgaaacc tcacacaatt cctttatcat tttggtggtc 120

aaaatggtgg cattatttgg ataatcttct tgggccaccc ataccggcag aatatctctt 180

tcttaatgaa cttgaccacc acacttcctt tgtacaactg gcatatgaag cagcttcaac 240

ccatttggtg aagtaaccga tctgcaccaa aatgaagcga cgtctattcg gagcccttgg 300

ctcaataggc ccaatcacat ctattcccca cat 333

<210> 16648
<211> 144
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16648

tgtttgttct tttagcgctc tagttatgaa agactagctt gcgtagnaag gggatcccat 60

ccttcgaccc cgaaagcctg aaggtccgta ctcccttctt aatatggcac atggggcact 120

gctccccccgg acgcgcatgt ccca 144

<210> 16649
<211> 82
<212> DNA
<213> Glycine max

<400> 16649

tctaaggtag aacaacaatt gaaaagaaag agtgtttttg tgaggagttc atctaactct 60

cactgtcttg gttgcaagga cc 82

<210> 16650
<211> 392
<212> DNA
<213> Glycine max

<400> 16650

tgcttgaaac attgaccacc caagagcgag gtctctctga aagatatcaa cactctgcaa 60

acacattaca ttaggaagca tggcataaag ccctacatga acaatattca acaacctagc 120

taagcctcat aaagggtgcg aaaacagaat ctcgatgaaa ccttgtttgc atcgaacact 180

attattagcc ttggcgacaa tgtgaacctt taaagggtac gatatgaata tgtaaccccc 240

atagatagga gaataatcaa agagctagtt aagagctgag gagagcagga ggtcacaggg 300

agatttaact ctttcatgtt agcgccatca gtactcataa catttcatac aaggtactga 360

atctaccaaa acctttcatc ttatcgccga tt 392

<210> 16651
<211> 412
<212> DNA
<213> Glycine max

<400> 16651

tatctgctgg ccacaataca tccccgaagc aactggtatt ggaaaggact gggtcccctg 60

gctataacct tgctcttgct gcatacccac caccatcacc agcctataga tcacatcaag 120

catggcatag acagtcctca ttcacaaact ggaaatgatt caatagaata gacatgggcc 180

agatactctc atgcatgaca acgccactac tcgaactttg gccctaaggt gaggccaaat 240

gtgttgacaa cctccagctc aattaattat ctatgaaggc ccagtgattc ttgctatgat 300

gacctcaagt atccttccaa cattggcgga accattgacg ctgccaactc gtaacgaggc 360

tgacacaccc attatggctt catgaagcaa gagcccttga aacatggttc ta 412

<210> 16652
<211> 271
<212> DNA
<213> Glycine max

<400> 16652

ctgcttcttt ttttgagtgg ctaactaatg aacgatgtgg agagggcttg tttatacaca 60

accctgccca ttcctaccgt aatgcatacc actcctggat aacgcgattg cgaagtccta 120

tcgggccata aatctcgcta tggagtagaa ccttctttaa acgatcttag gctcctgaca 180

cttaagacgt agctgaatgg atgcaccgta gcattgagac cataggcgct gaaatattgg 240

ataccttggt cagctacgat agaaactgct a 271

<210> 16653
<211> 377
<212> DNA
<213> Glycine max

<400> 16653

tgatgaaagc atagattggt tgttatgatc aagatgtggt ttcatcagaa atgggtggat 60

tcgatgaaac tctgcctaga caataatatg agtaatagag aacaaaatat tagtcgagtg 120

aaacgccgtt cacaaaagcg atagataggg aaacagcgaa agggtaggca atactttgtg 180

gttaggataa tgagggtggt tgtagaagct ttggagaaca acagctgtgg tgtgttgagg 240

aataattaat tactcataaa acacacactt gatttccgcc caacaaattt attgatgatt 300

ggtgacacaa taactggaag ctcaatcttc atttatggcc aattatagct tgctacagct 360

gagtttgtga caggatc 377

<210> 16654
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16654

agctttacag cagattttag taatgaccca ctaacttaga attaaaataa cttaatgcca 60

ttaatctagg gaattaaaaa aacttaatgg ctgagtgtaa ctgaaattgt ggcaaccaaa 120

agtcaccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180

ggttgccaat tgggccctta ttacaacttg aactaaacct actaaagccc tttcaagnca 240

ttcacccaaa ac 252

<210> 16655
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16655

tatagaaact caagcttctc gagaaattcg aatggttata acgttttcac tcaatangtc 60

ctgatgcggc ggacatcaac tcatgtagac gctcgaagat tgaacaacgc acgctctcga 120

gaaactcgaa tggtcataac atttcgcaca catgtccaaa tctgtgacct aacatttcta 180

gacactccgc actggctgga taaagatctt gtcatatcca aactgcagta acatcgcgcg 240

cgccatgcct atataagctc gcgagcaacg gcactccccc ccaacat 287

<210> 16656
<211> 382
<212> DNA
<213> Glycine max

<400> 16656

agcttcaaga aaaagatggc ctcagcaaat tccttatttc cagaagggaa ttctatcaat 60

agacctccaa tctttaatgg agagggccac cactactgga aaacccgaat gcacattttt 120

atcgaggcaa tagatctaaa tatctgtgaa gccattgaca tagggcctta tatacccacc 180

acagtacaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctagagaca gacggtctga agaggataga aaacgagtac aatacaacct ataagccaaa 300

aacataatat catctgccct aggaatggat gtaatattca gagcttcaaa ttgcgagagt 360

gctaaggaaa tgtgggacac tc 382

<210> 16657
<211> 388
<212> DNA
<213> Glycine max

<400> 16657

tgtagggtta aagtctcacg attgtgacgt gtttattcaa caattgttag tcgtggctat 60

acgagacatc ttgccaaaca aagtcaggtt agcgataact cgcttgcgct ttttcttcca 120

tgctatatgt agcaaagcca ttgatccagt caagtttgat gagttggaaa atgaggccgc 180

aattatactg tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattta 240

cttgattgtg catctggtca gagaaatcaa atgttgtggt cctgtttatc tacaatggat 300

gtacccggtt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatcatcc 360

agaagcatct attgtagaga ggcacatt 388

<210> 16658
<211> 210
<212> DNA
<213> Glycine max

<400> 16658

agtctgtggt ttcagcataa gattagcaag atgatgcaac caattttaag gaaaccctcc 60

gaagtcctaa cggtttcact gttgaagcaa gtaaaacaaa atatgccaga aataaatgag 120

cgaagcagct ggaaaatcta ctagtggatt tggcattttc tccaaagagt gtcatctata 180

gttcagtcca ctacagaagt tatgcacatc 210

<210> 16659
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16659

tttccagagc tacttggatg agcatatatt ttttnctttc tcactatatt ctttttaat 60

atatatgaac cagcaagtca gaaacctgtt aagaattaag cttctgtaat gcattactaa 120

ccaattcttt taacagaacg ttccttctgt ataaaatgct ccaacttcaa taactaagct 180

agaaccaatt tgatagtccc actacaatat ttgtggacga aacagcgaca caactgcgcc 240

cattcatgca agt 253

<210> 16660
<211> 395

<212> DNA
<213> Glycine max

<400> 16660

agctttgagc aaattcaaac gacaataacc ttttactcgg atgtctgatt gagtcccgta 60

atatatcgag acgctcaaaa ttgaatgttg aacctctgag caaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgagttccgt catatatcga gacgctcgaa attgaatgtt 180

gaagctctga gccaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240

tagtatatcg agacgctcaa aattgaatgt tcaacctatg agccaattca aacgacaata 300

actttttact cggatgtctg attgagtccc ataatatatc gagaggctcg aaattgaatg 360

ttgaacctct gaaccaattc aaaagacaat atctt 395

<210> 16661
<211> 429
<212> DNA
<213> Glycine max

<400> 16661

taaacattca atttcgagcg tctcgatata ttacgggtct caatcagaca tccgagtaaa 60

aatttattgt cgtttgaatt ggctcagagg ttcaacattc aatttcgagc gtctcgatat 120

attacgggac tcaataagac atccgagtaa aaagttattg tcgtttgaat tggctcagag 180

ctttaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240

aaaagatatt gtcttttgaa ttggctcaga ggttcaacat tcaatttcga gcgtctcgat 300

atattatggg actcaatcag acatccgagt aaaaagttaa tgccgtttga attggctcag 360

aggttcaaaa ttgaatttcg agcgtctcga tatattacgg gactcaatca gacatccgag 420

taaaaagtt 429

<210> 16662
<211> 382
<212> DNA
<213> Glycine max

<400> 16662

agcttgtttt tggtttaaac atgatttatg acttgtagga tccaatttga gaaaaattgg 60

atgtgggcaa gatggattta ggacttgtag gatccaattt atgcagaaaa atgttgttga 120

attgtgcagc agatttttga ttgtgtgcag aaaaatgctt gtgcattgct ggttttatgg 180

gaaaaggtag tacatattgg gttctagaca ttttctagca gatcccaacg gtcaagatgt 240

atacttatgt actaggaacc tccagtaaaa ttttcaagtc aatccaatgg ttaacgaatc 300

ggaatgaaga aaatgttact gggatatatg agtaatgaaa gctgtaatac gtgaatgtgt 360

tttgggcaga gatttctgtc tc 382

<210> 16663
<211> 423
<212> DNA
<213> Glycine max

<400> 16663

tgtaaggtta aagtctcacg attgtcatgt gctcatgcta caattgttag ccgtggctat 60

acgagacatc ttgccaaaca aagtcaggtt cacaataact cgtctgtgct ttttcttcca 120

tgctatatgt agcaaagtga ttgatccagt aatgtttgat gagttggaaa atgaggccgc 180

aattatactg tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240

cttgattgtg catctggtca gagaaatcaa atgttgcggt cctgtttatc tacggtggat 300

gtacccgatt gagcgataca tgaagatctt aaaatggtat acaaagaatc tatatcgtcc 360

ggaagcatct attgttgaga ggtacattgc agaagaagcc attgaatttt gttcagaata 420

ctt 423

<210> 16664
<211> 392
<212> DNA
<213> Glycine max

<400> 16664

agcttctaat gtatgtaaga tgtgtattgc ctctaaatga gctacaggtg cataagtttc 60

tttgtagtct attccttctt gttgagagta ttctttagca actaaccttg ctttgttttt 120

cacaaccttt caattttcat tcagtttggt ttgaaagact catttctctc caatagcttt 180

ctttcttttt ggaaattcga ctgactttca aacatcattc ctctgaaact gatcaagcta 240

cttttgcatt gctttaaccc aattgtcatc ctgcattaca tcatcaatgt gtttgggttt 300

catttcagaa atcaatgcaa taggtcctta tgttctgagt gatgatcttg tttgaacatg 360

atcaactaga tcaccaataa tttgactttt tg 392

<210> 16665
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16665

tgtaggatta tggggtaccc gtcatatgtg tactatgtgg cgttcgggcg atggtgcaag 60

tcgactctcc acatccacaa atcacacata aatccaccat cctcagttgc ccaccttcca 120

ctgagctcac gtactcccac gtagcccctt atcctcgttc ctctcaacac cgggttccca 180

tcaatccctc caagcttcca caacatccaa gaaattcaac atccaaacat catgaactat 240

ccaaaaccaa gaaaacaggg cagaggcaga aaactctgcc caaaacacat tccaatacca 300

caactttcct tactcaaata cccagtaaca tcctcttcgt ttcggttcat taactgtttg 360

atcgattcga gaatntttaa gccttgtaat cgattacaca cccttggtaa tcgattgcca 420

gaggtcatat 430

<210> 16666
<211> 379
<212> DNA
<213> Glycine max

<400> 16666

agcttgtttc aaagaggtcc aagaaggata aggcggccga agggactagt tccgctcctg 60

agtatgacag tcaccgcttt aagagcgctg tacaccagta gcgcttcgag gccatcaagg 120

gatggtcgtt tcgacgggag cgacgcgtcc aactcaggga cgacgagtat actgatttcc 180

aggaggagat agggcaccgg cggtggacat cactggttac ccccatggcc aagttcgatc 240

cagaaatagt ccttgagtta tatgccaatg cttggccaac agaggatggc gtgcgtgaca 300

tgaggtcctg cgtaaggggt cagtggatcc cgttcgatgc cgacgctatc ggccagctcc 360

taagatattc tgtggtgtt 379

<210> 16667
<211> 429
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16667

tgccgccacg gagttttccg actatgctct tgtgtgtgtg gaacaagcta caaaaagaga 60

gagcaagaat tgtggtttga aagaacaagg gtgatgatga aaggaaggaa agaatcactc 120

tttccagcga gggcaacaca caaaggttga gaaagtcctt tgatacagcc aaggtgttct 180

tgaatcactc aagaatttag gagaatcact ctcactaaga taaaagagat aaactctaat 240

tttctgaata aaactcaact tgtgtttatt gataaaatgg ttcagcttat atagaagctt 300

tacagcagat tttagtaatg acccactaac ctagaattaa aataacttaa tgccattaac 360

ctagggaatt aaaaaaaact taatggctga gtgtaactga nattgtggca accaaaagtc 420

acccccaac 429

<210> 16668
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16668

agcttgtata acggctggac atgatatatg tcagggtgtt ggtttatcca gcggttcatg 60

gataaaggaa tatcccacat tatttccatg acacgcgtgc aacaatgatg attcataaat 120

tttatgcaaa acttgtcatg catgcaccta tgtggacact caagcatcaa gttctgtggt 180

catgtgacac tanggctcaa gattcatttt tcctatttaa gtcaatccag tgtttccaaa 240

acatgctctt ttatcaattc atgcattcat ccgagtccat tttgggtgtt cgggaaaatt 300

ttacagcatt caccttcag gtgtatacat atttttttcaa caaacacttc tgtgtttgat 360

cagcgaatct ttttaaagaa agagttgga 389

<210> 16669
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16669

tgtccttggt ttagacatga ttggtacatg atttgttact tgtaggattc aatttgggca 60

aaattggatg agggaaagag tggttttcga aatctgcact ttatgcagaa ttttgctgtt 120

gaaatgtgca gcagaaattt gcataagtgc agaaaaatac tatgtatttg ctggttgtgg 180

aaagagtagt acagaatgag ttcttgatgt ttgctagtag atcccaacgg tcaaaatgta 240

gacttatgta ctagagactt ccagtaaaat tttcgagtcg atccaacggt taacggattg 300

gaacgaagga aatgttactg aggtctttaa gtgagaaaaa gctgtgattn tggtttgagt 360

tttgggcaga gttntctgcc tttgccctgt tttgcttggt ttgttagttt gtgatgattt 420

ggat 424

<210> 16670
<211> 327
<212> DNA
<213> Glycine max

<400> 16670

atcttacgct ccttcaactg cacaagactc ttaatatttg aagagtatac atgtggaacc 60

ttcacctgac gaagacactg acagaaactc atcttatcct ttttggacaa agtatgacaa 120

gctgctggca ggttgattgt attcccatca gaccttggat gcaactgtga tcgtatcccc 180

atcttagata catcttgacg gagattcaat ccatacttca tcttgccttg aatgtcaaag 240

agcattccag tcactctgtc acgtacattt ttcttctgat gcatatcatc cgaccaatgc 300

cttacgctta gatgacacca tgactgc 327

<210> 16671
<211> 393
<212> DNA
<213> Glycine max

<400> 16671

ctgccgtcca gctcttacat acgagcagag gtgcttcctc taaacacatc aactcttagg 60

acgaatatgt ggtaggacct acttagagca ttcttgcgac tagtcacgtg tttttactaa 120

acgcacccct gtatattttt aaggaaactc tccacgcaac ctacgagact atgcgaatct 180

ctgaacgcta actattattc tatatgtatg acacataatg cattgcagag aactgatgaa 240

cgcattctta gctcgctaag aagatcaatg ggagctcact taattgtgcc actgctaccg 300

ctttctaata atctgtccat atcatgatat tccggattgt gctcaatcat ctatcgttag 360

agtcctgaga tctctttgct ctcatatatt gcg 393

<210> 16672
<211> 276
<212> DNA
<213> Glycine max

<400> 16672

tgcttctaca tctataggcg gactgccctt gattgttaac taaggattca tggcgatcct 60

ctaggacgag gatggaatga tcttaacagc gcccttatga agaggcacat tccctcctac 120

tatgaaaggg aacttactga caacctccaa gggcttagat aaggacatat gagtgcgaag 180

aatatagacc acaaatggga ctactctttt tacaagctgg acttacggag gacacaagcc 240

ttcttcattt gatgagctaa atcttgcact gtcatc 276

<210> 16673
<211> 388
<212> DNA
<213> Glycine max

<400> 16673

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gaccaccgct ctttcttccc gcgatgcttc tctttatatc cacctgagtg ggcttatagc 120

ctaaaccata cttgccacga tttcctttgg catttatcaa gctagttatg ctgccgttgt 180

ctttgcctaa acccattccg ggttcgtaac cgttccccaa cataactcgg gccatcatta 240

ctgctgcaac ggacaggcaa ggctgcctag agaatgagta cacggaggaa atgctgacca 300

cctcaaaaga ctggatagcg gtatctaacg attcttctgc ggcttccaca taatgcatag 360

atgatgggca gctcaccaag atgtcttc 388

<210> 16674
<211> 427
<212> DNA
<213> Glycine max

<400> 16674

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agtaaaatgg atcactttaa ggtccaacgc cttaaaagga ccaccttcca agtaaaaaga 120

atcatttgat tcgcccttta gaaagaactg cgtaagtctg atttcctctt cgatggaggg 180

tacgtatgag caagagcccc gcttttgagg acctcaaaaa taataaaaaa aaagaaataa 240

agcttagata cataatttca cacaattcta atctaaggtt gttgttcttt gggacaaacg 300

tgataggtgc taataccttc ctcatacgta aatacaactc ccgaatctgg aatattcttc 360

atgaccggtt tccttcggtt tgtccgacgt gttccacaaa ataacgttgg tggagactct 420

gcgcatt 427

<210> 16675
<211> 392
<212> DNA
<213> Glycine max

<400> 16675

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ccactcctca cgtttggatt tttagggaaa acaccataac taaacgcgcc gcaagggatc 120

cctatcgcac cagatccaaa tctagaacga tgggtgatca agaggagaca caggaacaga 180

tgaaagccga catgttggct ctgaaagaac aaatggcctc catgatggag gccatgttag 240

gtatgaagca gctcatggag aagaacgcgg ccgctgccgc cgctgtcagt tctgctgccg 300

aagcagaccc gactctcttg gcaactacgc accatgctcc ctctaacata gtaggacggg 360

gaaaggacgc actgtggcac gatggtagcc ct 392

<210> 16676
<211> 425
<212> DNA
<213> Glycine max

<400> 16676

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cgattatcgt ctccctttt gcacatgttc tgtagttgca tcctatccgg aaccatatca 120

gaatagtacc gatactgcct aacgaaggca accattaggt ccttccaagt atggactcgg 180

gaaggttcca agttagtgta ccaggtaaca gctaccccaa taagactttc ttggaagaaa 240

tgtattagca gttcctcatc tttgcgtatg cccttatctt ccgacaatac atctttggat 300

ggttcttggg gcaagtagtc cccttctact tgtcaaagtc tagcaccttg aacttgggag 360

gggtgatgat attgggtact acgaacaact cttctaggtt agcaaaggca taatctttac 420

ctcct 425

<210> 16677
<211> 372
<212> DNA
<213> Glycine max

<400> 16677

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gcatatagag acgctcgaaa atgaacaacg gaagctctcg agaaattcaa atggtcataa 120

cttttcacac tgacgtccga ttcaggctta taatatattg atatgctcaa aaataaacat 180

cggaagttct agagatattc aaatggtcat aatttttcac atggatgtcc gattccggcg 240

cataatatgt cgagaggctc aaaattgaac atcggaaggt cttgagaaat tcaaatgtgc 300

ataacttttc acacgaatgt ccgattaagg cttataatat atcgatacgc tcgaaattaa 360

acaacggaac tc 372

<210> 16678
<211> 293
<212> DNA
<213> Glycine max

<400> 16678

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gctggagagt ttccaacgtc taagacataa gaggctcccg attcggacat cctggtgagg 120

agatatgagc gttaggatat gaccatagga atcgctggag agcttccagc gtatagatat 180

gagctacccc tgaatcgaac ctccttgtga caagatctga ccattaggat atgaccagag 240

caatctgtga agaatttcca atgttactat atgagctgcg ccacatattg gac 293

<210> 16679
<211> 353
<212> DNA
<213> Glycine max

<400> 16679

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ccttgaagtg gatccaagtg ctctgatcat tcattagcat attcatgttt tgatggcata 120

ctcaccactg tttgtttctt tatggaactc accataacta aaaaagcgca gaggcacccc 180

tataacactc gatccagaag taagatggat aacgaagagg gagtgcaaga acagatgaag 240

gccaacctat cggcctgaaa agatcaaatg gcttctatca cagaggccat gctaaagctt 300

caaacaaact atagaagata atgctactgc ggccgcttcc aatacagcta ggg 353

<210> 16680
<211> 410
<212> DNA
<213> Glycine max

<400> 16680

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acgagacatc ttgccaaaca aagttaggtt agccataact cgcctgtgtt ttttcttcca 120

tgctatatgt agcaaagtca ttgatcctgt taagtttgat gagctggaaa atgaggcctc 180

aattatactg tgccagttgg agatgtattt tccccgtgct ttctttgaca tcatgattca 240

cttgattgtg catcacgtta gagaaatcaa atgttgtggt cctgtttatc tacggtggat 300

gtacccggtt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatcatcc 360

agaagcatct attgttgagc ggtacattgt agaagaagcc attgaatttt 410

<210> 16681
<211> 387
<212> DNA
<213> Glycine max

<400> 16681

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tttgctactc ataaaaatat aaagttattt caaatggacg ttaaaagtgc tttcttaaat 120

ggctttattg aagaggaaat atatgtcaaa caacctcttg ggtttgaaga tcatactctt 180

ccagaccatg ctttcaaact taaaaaagct ttgtatggtc taaaacagga accacatgct 240

tggtgtgaca gactgagttc atttctctta gaaatggttt tattaaagtc aaagtggata 300

caactctttc taaatgagaa gttggcaaag atttcattat agttcatatg tatgttgatg 360

atagtatttt tgaagctact aatgaat 387

<210> 16682
<211> 421
<212> DNA
<213> Glycine max

<400> 16682

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gtgcatgtcc acttgtaatt ccaaagtgtc aaacctttca ccaacaaagg tttgaagacc 120

atcaaacctg tccaaaatct ttgaaagaag agatgaatct tctccatcat gtccttcttc 180

accaatatgt cgagcaccct ttttcaacca agagccatca tgctcttttt gataaccaaa 240

ggatgcaatg actgaagcgc ctataaggaa ggatctcttg attggaacat agggttcaga 300

atcaagaggg atgttaaagt gttgaaggaa aagagtgact agatgaggat atggcaaagg 360

agcattcaat cgcaatgcct tatgcctgcg atatctaaca agaagtgccc aatcaatttg 420

t 421

<210> 16683
<211> 396
<212> DNA
<213> Glycine max

<400> 16683

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aaagatgatg acaaaggtga tgaacaatca gctcaagtga atcaaataac atttcaagtg 120

aatcaagaac aagtcaagag ttcaagaatc aagaagaatt caagactcaa gaagaaagcc 180

tacaatcaag aatcaagaat caagattcaa gatcttacga atcaagatca agattcaaga 240

ctcaagattc aagaatgaag aaaagactca atcaagataa gtattaaaaa gtttttcaa 300

aactttgaat agcacatgag tttttgacaa aacctttacc aaagagtttt tactctctgg 360

taatcgatta ccatattgtt gtaatcgatt accagt 396

<210> 16684
<211> 424
<212> DNA
<213> Glycine max

<400> 16684